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JVC D SERIES SERVICE MANUAL

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AGENDA ELETRONICA; CALCULADORA; ARCADE; ÁUDIO (DOMESTICO/AUTOMOTIVO); BINA; CHAVEADOR DE VIDEO; CAIXA REGISTRADORA E IMPRESSORA; CIRCUITO FECHADO; DVD; ELETRODOMÉSTICOS; FAX; FERRAMENTAS; FILMADORA; FONTES; FAIXA DO CIDADÃO (PX); GAMES; GMS; HANDY TERMINAL; IMPRESSORAS; LOCOMOTIVAS; LUZ DE EMERGENCIA; MAQ.FOTOGRAFICA DIGITAL; MICRO ONDAS; MOBILE COMMUNICATOR; MONITORES; MULTI-PROJETOR; MULTITESTES; NOBREAK´S; NOTEBOOK; OSCILOSCOPIO; PERSONAL COMPUTER/PALM; PROJETOR; RADIO RELOGIO; RECEPTOR DE SATELITE; SECRETARIA ELETRONICA; TECLADO / ORGÃO; TELEFONE; TRANSMISSOR; TV; VCR

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JVC

SERVICE MANUAL

COLOR TELEVISION

AV-27D305 /R,
AV-27D305 /S

BASIC CHASSIS
FE3

D-SERIES

BBE

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SPECIFICATION

Items		Contents
Dimensions (W × H × D)		75.2cm × 59.0cm × 53.1cm (29-5/8" × 23-1/4" × 23")
Mass		32.2kg (70.8lbs)
TV RF System		CCIR (M)
Color System		NTSC
Sound System		BTSC (Multi Channel Sound)
TV Receiving Channels and Frequency	VHF Low VHF High UHF CATV	02ch~06ch : 54MHz~88MHz 07ch~13ch : 174MHz~216MHz 14ch~69ch : 470MHz~806MHz 54MHz~804MHz Low Band : 02~06, A-8 by 02~06&01 High Band : 07~13 by 07~13 Mid Band : A~I by 14~22 Super Band : J~W by 23~36 Hyper Band : W+1~W+28 by 37~64 Ultra Band : W+29~W+84 by 65~125 Sub Mid Band : A8, A4~A1 by 01, 96~99
TV / CATV Total Channel		180 Channels
Intermediate Frequency	Video IF Sound IF	45.75 MHz 41.25 MHz (4.5MHz)
Color Sub Carrier		3.58 MHz
Power Input		AC 120V, 60Hz
Power Consumption		105W
Picture Tube		68cm (27") Measured diagonally (H: 55.4cm × V: 41.8cm)
High Voltage		28kV±1.3kV (at zero beam current)
Speaker		5 × 9cm (2" × 3-1/2") Oval type × 2
Audio Power Output		1.2W + 1.2W
Antenna terminal (VHF / UHF)		F-type connector, 75Ω unbalanced, coaxial
Video / Audio input Input-1/2/3	Component Video [Input-2] S-video [Input-1] Video Audio	RCA pin jack × 3 Y : 1V(p-p), negative sync, 75 Ω Pb/Pr : 0.7V(p-p), 75 Ω Mini DIN 4-pin × 1 Y : 1V(p-p), negative sync, 75 Ω C : 0.286V(p-p)(burst signal), 75 Ω 1V(p-p), negative sync, 75 Ω, RCA pin jack × 3 500mV(rms)(-4dBs), high impedance, RCA pin jack × 6
Audio Output (Fix)		500mV(rms)(-4dBs), low Impedance, (400kHz when modulated 100%), RCA pin jack × 2
Remote Control Unit		RM-C1259G (AA/R6/UM-3 battery × 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

(5) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).

(7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

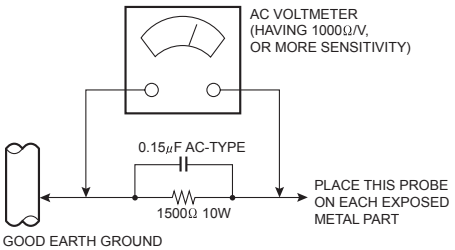
(9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

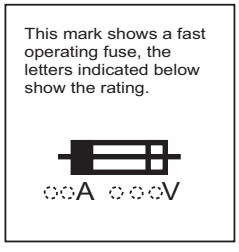
a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

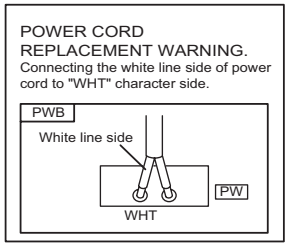
b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) **High voltage hold down circuit check.**
After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.See item **"How to check the high voltage hold down circuit"**.





SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

SMART SOUND
Decreases high sound levels, giving a regulated sound level.

SMART CAPTION
SMART CAPTION will appear when you press the MUTING button, only on channels where the broadcast contains closed captioning.

DIGITAL COMB FILTER
By the 3 line digital comb filter, the refreshed image can be seen.

VIDEO STATUS
Expression of a favorite screen can be chosen by the VIDEO STATUS function.
[STANDARD ↔ DYNAMIC ↔ THEATER ↔ GAME]

COMPONENT INPUT
Since the component signal input terminal is equipped, it reappears direct without deteriorating the signal from DVD.

V-CHIP
Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO
The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

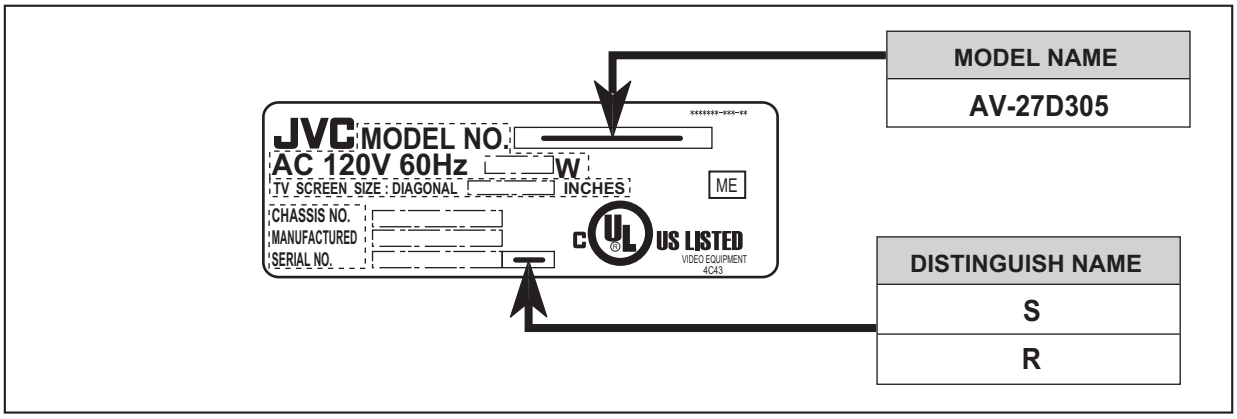
RETURN PLUS
You program a specific channel to return to while scanning through the channels using the CH+ and CH - keys.

BBE
High definition audio adds natural, clear and extraordinary sound quality to any program.

HYPER SURROUND
Creates a deep, three-dimensional sound effect by channeling the audio through the TV's front-firing speakers.

2.2 HOW TO IDENTIFY MODELS

How to recognize from the appearance of the model concerned is written below. Please distinguish from several contents currently printed on the rating label



2.3 MAIN DIFFERENCE LIST

The difference between R models and S models are in the PICTURE TUBE.

Item	AV-27D305/R	AV-27D305/S
PICTURE TUBE (ITC)	A68ADT25X01	A68QDN891X001

2.4 TECHNINAL INFORMATION

2.4.1 MAIN MI-COM (CPU) PIN FUNCTION

Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	MTS_ADJ	I	Not used	29	YC_GND	-	GND
2	AFT1	I	AFT voltage for tuner (Tuning frequency control)	30	V1_IN	I	Not used
3	KEY	I	Key scan for front control [No signal : H]	31	ABCL	I	Current for automatic beam (brightness)/contrast limit
4	uP_DVss	-	GND	32	MONITOR_OUT	O	Not used
5	Reset	I	CPU reset	33	BLACK_DET	-	Black level detection filter
6	8MHz_OUT	O	CPU system clock : 8MHz oscillation	34	SVM_OUT	O	Y signal for velocity scan modulation
7	8MHz_IN	I	CPU system clock : 8MHz oscillation	35	APL_FIL	-	Average picture level filter
8	TEST	-	GND	36	APC_FIL	-	Automatic phase control filter
9	uP_DVDD	-	5V	37	fsc_OUT	O	Color sub carrier (3.58MHz) for 3-line digital comb filter [IC5201]
10	AGC_MUTE	O	AGC muting for tuner (when channel select) [Muting : H]	38	YC_Vcc	-	5V (for video process circuit)
11	uP_VVSS	-	GND	39	R_OUT	O	R signal
12	TV_HGND	-	GND	40	G_OUT	O	G signal
13	FBP_SCP	I	Flyback pulse (H. pulse)	41	B_OUT	O	B signal
14	HOUT	O	H. drive (oscillation)	42	RGB_Vcc	-	9V (for RGB process circuit)
15	H_Vcc	-	9V (for H. oscillation start)	43	IK_IN	I	Not used
16	HAFC_1	-	H. AFC filter	44	TV_DGND	-	GND
17	Vsaw	-	V. saw filter	45	uP_AGND	-	GND
18	VOUT	O	V. drive	46	uP_AVdd	-	5V
19	EW_OUT	O	Parabola waveform (for sidepin correection)	47	MAIN_POWER	O	Power on/off switching control [Powen on : L]
20	X-RAY	I	X-ray detection (for protection) [Detection : H]	48	HAZARD	I	Not used
21	Ys	I	Not used	49	SDAO	I/O	Data for Inter IC control bus (for various devices)
22	Cb_IN	I	Cb (external) signal	50	SCLO	O	Clock for Inter IC control bus (for various devices)
23	Y_IN	I	Y (external) signal	51	SDA1	I/O	Data for Inter IC control bus (for main memory)
24	Cr_IN	I	Cr (external) signal	52	A_MUTING	O	Audio muting [Muting : H]
25	TV_DVcc	-	3.3V	53	SCL1	O	Clock for Inter IC control bus (for main memory)
26	V3IN/CIN	I	Chroma signal (for YC separation output)	54	LED	O	POWER / ON TIMER LED Indication [lighting : L]
27	EHT_IN	I	Not used	55	REMOCON	I	Remote control sensor input [No input : H]
28	V2_IN/Y_IN	I	Y signal (for YC separation output)	56	ASP_ABL	I	Not used

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

3.1.1 REMOVING THE REAR COVER

(1) Unplug the power plug.
(2) Remove the 11 screws **[A]** (Fig.1).
(3) Remove the 4 screws **[B]** (Fig.1).
(4) Then remove the REAR COVER toward you.

3.1.2 REMOVING THE MAIN PWB

• Remove the REAR COVER.
(1) Raise this side of the MAIN PWB, and remove the PWB STOPPER **[C]** from the cabinet.
(2) Withdraw the MAIN PWB backward. (If necessary, remove the wire clamp, connectors etc.)

3.1.3 REMOVING THE SPEAKER

• Remove the REAR COVER.
(1) Remove the 4 screws **[D]**, then remove the speaker (Fig.1).
(2) Follow the same steps when remove the other hand speaker.

3.1.4 CHECKING THE PW BOARD

(1) Pull out the MAIN PWB (refer to REMOVING THE MAIN PWB).
(2) Erect the MAIN PWB vertically with the HVT side facing down so that you can easily check the backside of the PW Board.

CAUTION:

• When erecting the chassis, be careful so that there will be no contacting with other PW Board.
• Before turning on power, make sure that the wire connector is properly connected.
• When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

3.1.5 WIRE CLAMPING AND CABLE TYING

(1) Be sure to clamp the wire.
(2) Never remove the cable tie used for tying the wires together.
Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

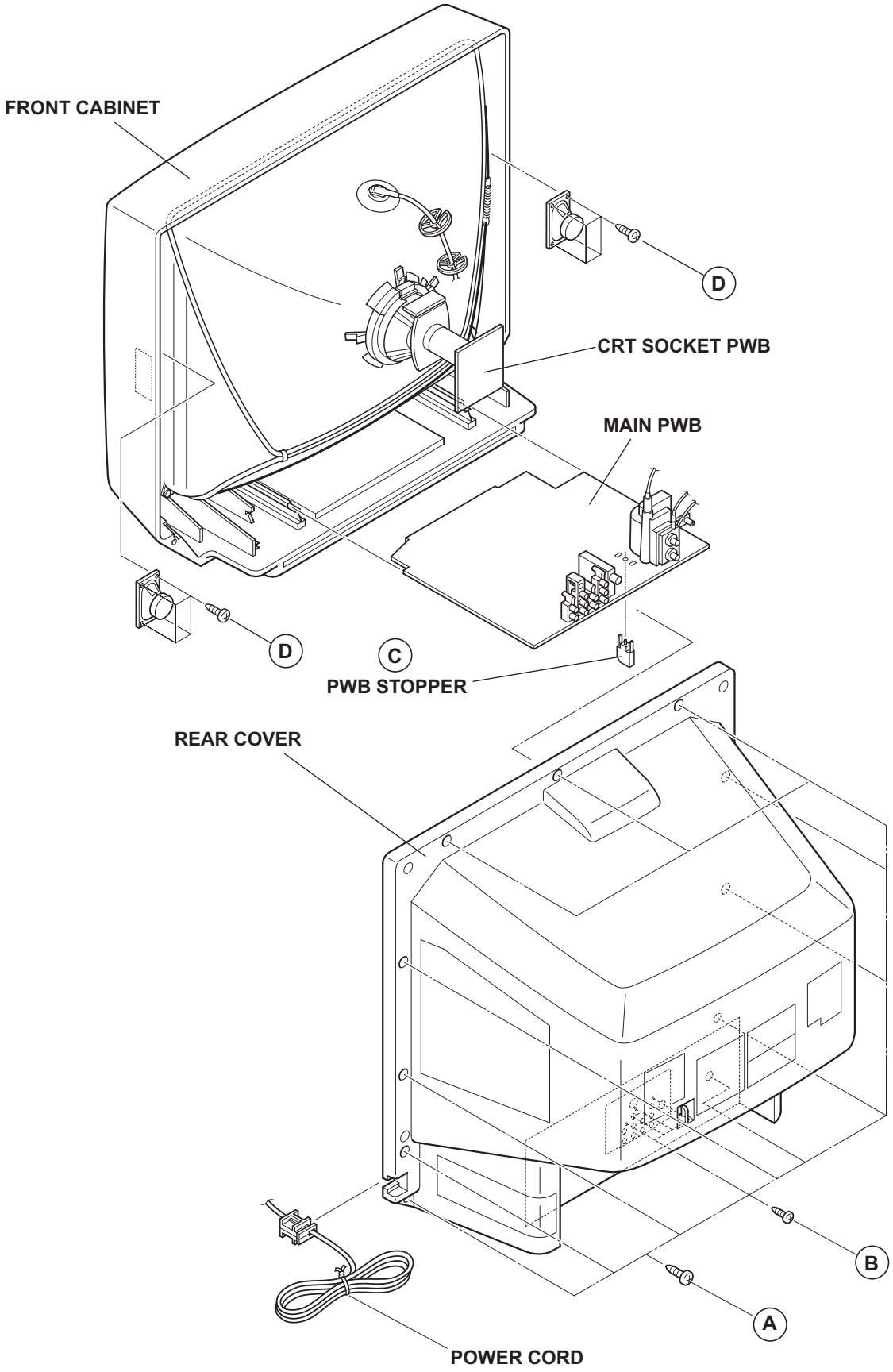

FRONT CABINET
D
CRT SOCKET PWB
MAIN PWB
D
C
PWB STOPPER
REAR COVER
B
A
POWER CORD

Fig.1

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug.

2. Replace the memory IC
Be sure to use a memory IC written with the initial setting data.

3. Power on
Connect the power cord to the wall outlet and switch on the power.

4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.

5. User settings
Check the user setting items according to the "FACTORY SETTING ITEM" table.
Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary(Fig.1) .
Refer to the SERVICE ADJUSTMENT for setting.

3.2.2 SERVICE MODE SETTING ITEMS

SERVICE MENU

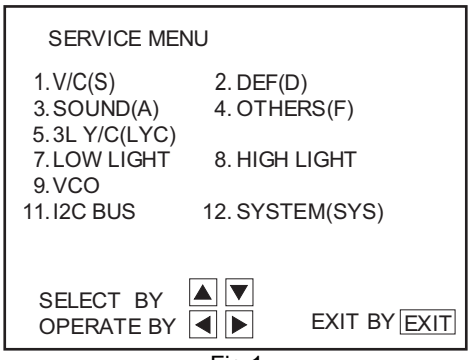


Fig.1

Setting items	Settings	Item No.
1. V/C (Video setting)	Adjust	S01~S48
2. DEF (Deflection setting)	Adjust	D01~D33
3. SOUND(A) (Audio setting)	Adjust	A01~A08
4. OTHERS [Do not adjust] (Factory setting)	Fixed	F01~F18
5. 3L Y/C [Do not adjust] (Y/C Separate setting)	Fixed	LYC01~LYC12
7. LOW LIGHT (White balance setting)	Adjust	---
8. HIGH LIGHT (White balance setting)	Adjust	---
9. VCO (VCO setting)	Adjust	---
11. I2C BUS [Do not adjust] (I^2C BUS setting)	Fixed	---
12.SYSTEM (SYS) (System constant setting)	Fixed	SYS01~SYS25

3.2.3 SETTINGS OF FACTORY SHIPMENT

3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CH-02
VOLUME	10

3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position
INPUT		TV
CHANNEL		CH-02
VOLUME		10
MUTING		OFF
DISPLAY		OFF
OFF TIMER		OFF
VIDEO STATUS		DYNAMIC
GAME		OFF
SOUND	HYPER SURROND	OFF
	BBE	ON

3.2.3.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE ADJUST

Setting item	Setting position
TINT	0
COLOR	0
PICTURE	+8
BRIGHT	0
DETAIL	+8
COLOR TEMPERATURE	HIGH
NOISE MUTING	ON

(2) SOUND ADJUST

Setting item	Setting position
BASS	Center
TREBLE	Center
BALANCE	Center
MTS	STEREO
SMART SOUND	OFF

(3) CLOCK / TIMERS

Setting item	Setting position
SET CLOCK	OFF
ON / OFF TIMER	OFF

(4) INITIAL SETUP

Setting item	Setting position
LANGUAGE	ENG
CLOSED CAPTION	OFF
FRONT PANEL LOCK	OFF
AUTO SHUT OFF	OFF
XDS ID	ON
V-CHIP	OFF

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

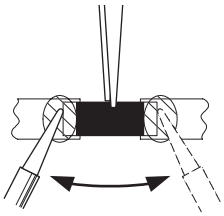
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

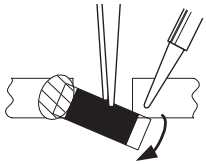
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



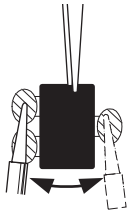
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



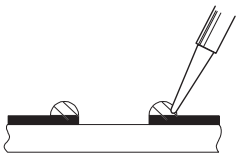
NOTE :

After removing the part, remove remaining solder from the pattern.

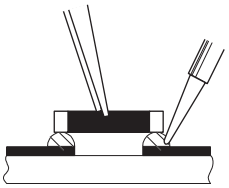
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

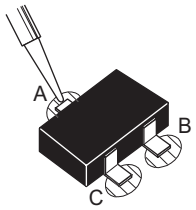


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

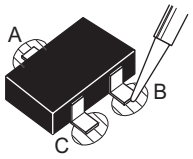


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Item	Preset value
VIDEO STATUS	STANDARD
TINT / COLOR / PICTURE / BRIGHT / DETAIL	0
COLOR TEMPERTURE	LOW
BASS / TREBLE / BALANCE	Center
MTS	STEREO
BBE	OFF
HYPER SORROUND	OFF

4.3 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator) [NTSC]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ CHECK ITEM
- B1 POWER SUPPLY adjustment
- HIGH VOLTAGE HOLD DOWN check

■ TUNER / IF CIRCUIT
- IF VCO adjustment

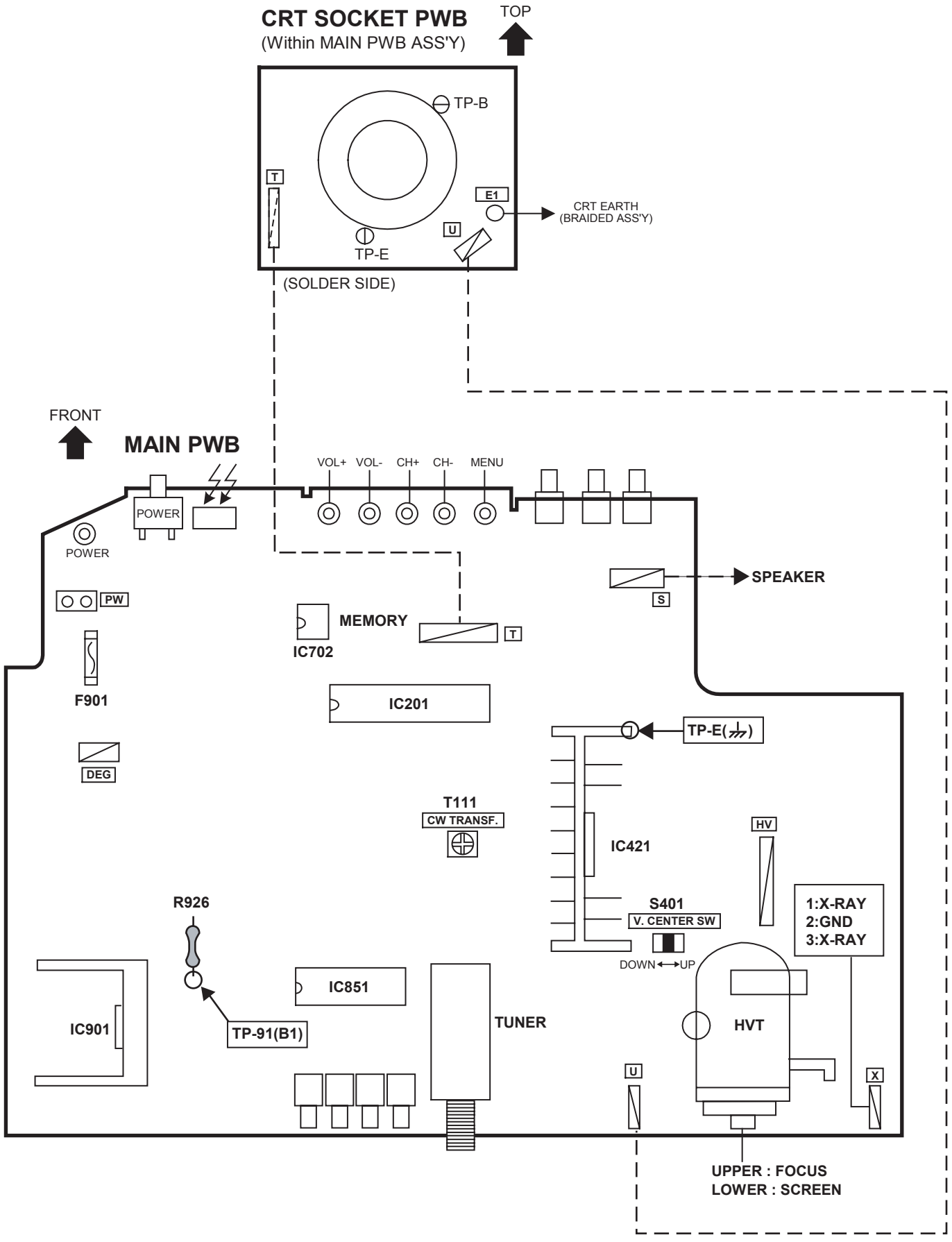
■ ADJUSTMENT OF FOCUS
- FOCUS

■ DEFLECTION CIRCUIT
- V. SIZE / V. CENTER adjustment
- H. CENTER adjustment

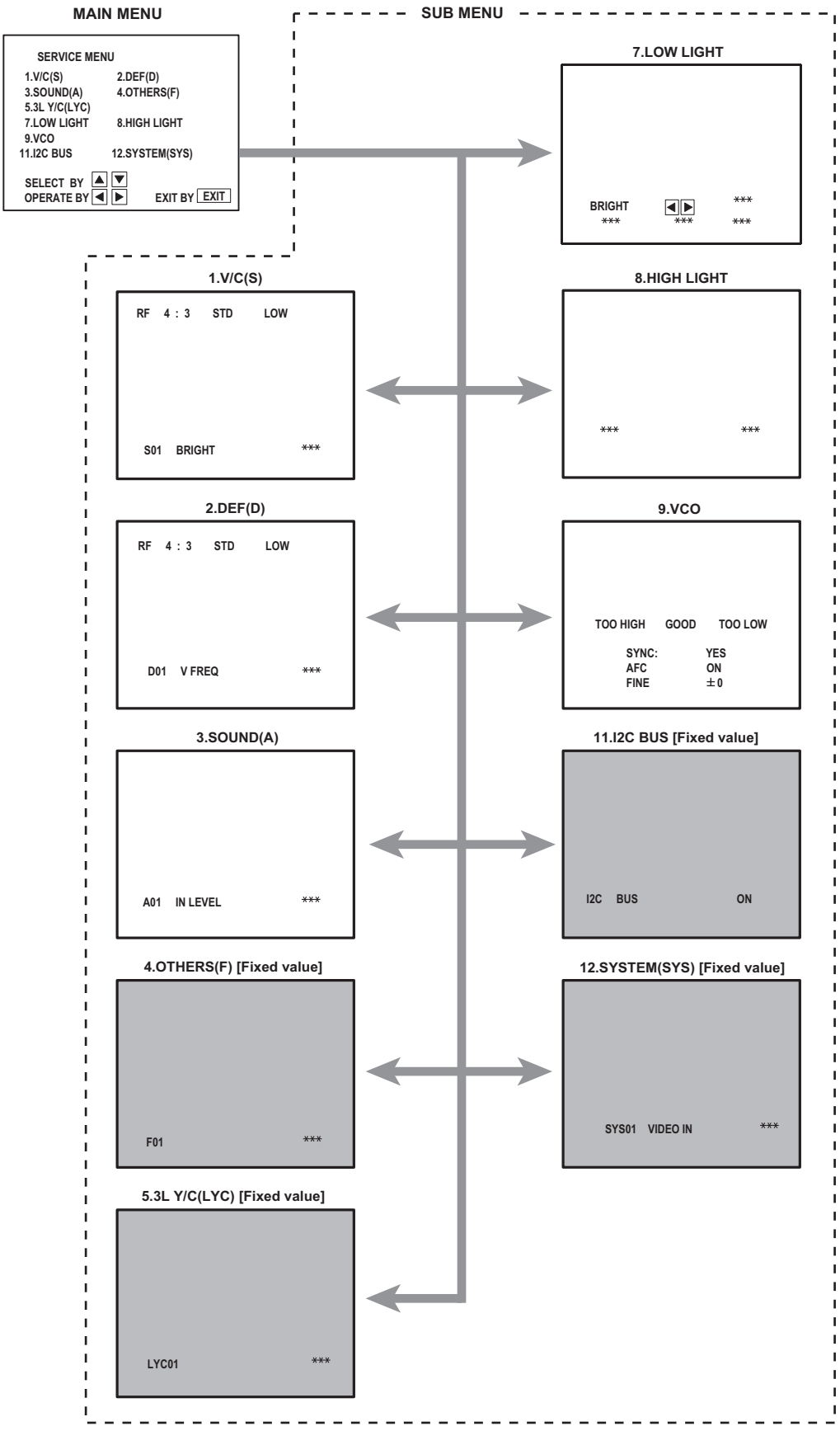
■ VIDEO CIRCUIT
- WHITE BALANCE (LOW LIGHT) adjustment
- WHITE BALANCE (HIGH LIGHT) adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment

■ MTS CIRCUIT
- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

4.5 ADJUSTMENT LOCATIONS



4.6 BASIC OPERATION OF SERVICE MODE



4.6.1 TOOL OF SERVICE MODE OPERATION

Operate the SERVICE MODE with the REMOTE CONTROL UNIT.

4.6.2 SERVICE MODE ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MODE.

1. V/C (S)	This sets the setting values of the VIDEO circuit.
2. DEF (D)	This sets the setting values of the DEFLECTION circuit.
3. SOUND (A)	This sets the setting values of the AUDIO circuit.
4. OTHERS (F)	This sets the setting values of the factory settings. **[Do not adjust]**
5. 3L Y/C(LYC)	This sets the setting values of the 3 line YC separation control circuit. **[Do not adjust]**
7. LOW LIGHT	This sets the setting values of the WHITE BALANCE (LOW LIGHT) control circuit.
8. HIGH LIGHT	This sets the setting values of the WHITE BALANCE (HIGH LIGHT) control circuit.
9. VCO	This sets the setting values of the VCO control circuit.
11. I2C BUS	This sets the setting values of the I^2C BUS control circuit. **[Do not adjust]**
12. SYSTEM(SYS)	This sets the setting values of the system control circuit. **[Do not adjust]**

4.6.3 HOW TO ENTER THE SERVICE MODE

(1) Set to 0 minutes using the [SLEEP TIMER] key.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.

NOTE:

Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.

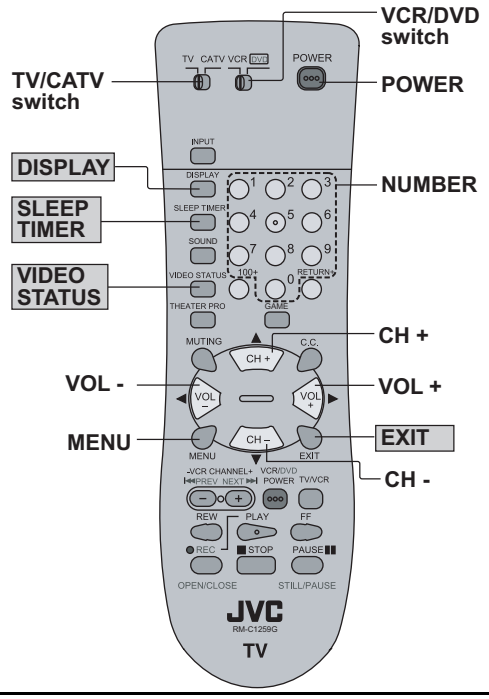
4.6.4 HOW TO STORE OF SETTING VALUE

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys

4.6.5 HOW TO EXIT THE SERVICE MODE

Press the [EXIT] key to exit the SERVICE MODE.

SERVICE MODE SELECT KEY



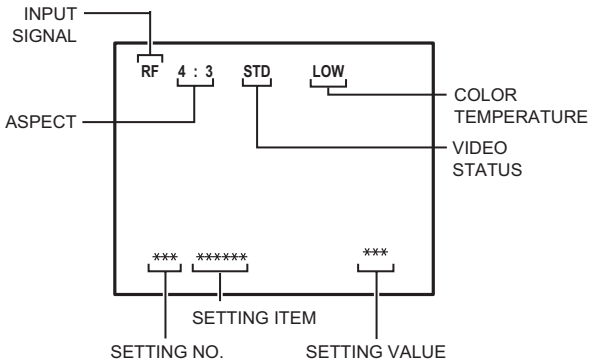
4.6.6 SERVICE MODE SETTING

1. V/C, 2. DEF

- Press [CH+] / [CH-] key
  For scrolling up/down the adjustment item.
- Press [VOL+] / [VOL-] key
  For scrolling up/down the data values.

NOTE:

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.



(1) INPUT SIGNAL

RF : Antenna input
COMP : External (component) input
EXT : External (S / Composite) input

(2) ASPECT

4:3 : 4:3 screen mode

(3) VIDEO STATUS

STD : STANDARD
THEA : THEATER

(4) COLOR TEMPERATURE

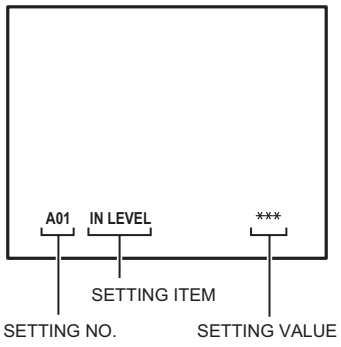
HIGH : White balance high mode
LOW : White balance low mode

3. SOUND (A)

- Press [CH+] / [CH-] key
  For scrolling up/down the adjustment item.
- Press [VOL+] / [VOL-] key
  For scrolling up/down the data values.

NOTE:

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

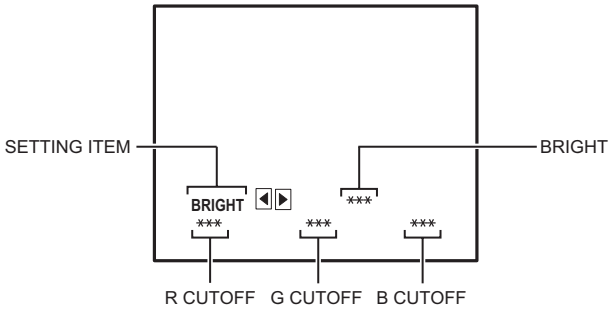


7. LOW LIGHT

The settings for LOW LIGHT is described in the WHITE BALANCE page of ADJUSTMENT PROCEDURE.

NOTE:

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

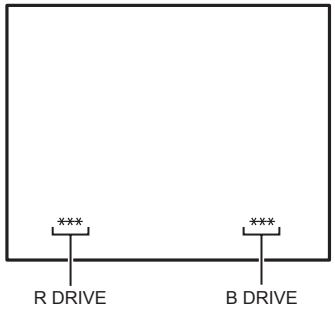


8. HIGH LIGHT

The settings for HIGH LIGHT is described in the WHITE BALANCE page of ADJUSTMENT PROCEDURE.

NOTE:

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

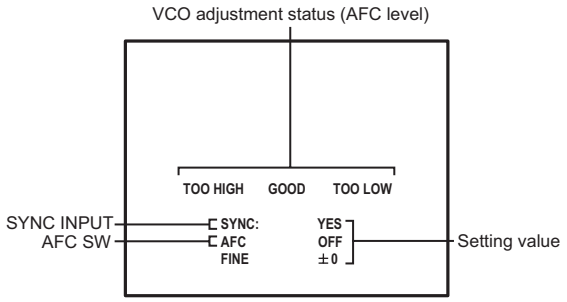


9. VCO

The setting for VCO is described in the IF VCO page of ADJUSTMENT PROCEDURE.

NOTE:

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.



4.7 INITIAL SETTING VALUE OF SERVICE MODE

(1) Adjustment of the service menu is made on the basis of the initial setting values. however, the new setting values which displays on the screen in its optimum condition may differ from the initial setting value.
(2) Do not change the initial setting values of the items not listed in "ADJUSTMENT PROCEDURE".
(3) "---" is impossible to adjust.

4.7.1 [1. V/C(S)]

No.	Setting item	Variable range	Initial setting value					
			RF		EXTERNAL (S / COMPOSITE)		EXTERNAL (COMPONENT)	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S01	BRIGHT	0~127	64	---	---	---	---	---
S02	PICTURE	0~127	65	---	---	---	---	---
S03	COLOR	0~127	44	---	---	---	53	---
S04	TINT	0~127	65	---	---	---	68	---
S05	DETAIL	0~63	35	---	40	---	40	---
S06	BRIGHT +-	-32~+32	---	±0	-2	---	-2	---
S07	PICT+-	-32~+32	---	-15	±0	---	±0	---
S08	COLOR +-	-32~+32	---	-3	+1	---	---	---
S09	TINT+-	-32~+32	---	-6	-11	---	---	---
S10	DETAIL+-	-32~+32	---	+3	---	---	---	---

No.	Setting item	Variable range	Initial setting value							
			AV-27D305/S							
			RF / EXTERNAL (S / COMPOSITE)				EXTERNAL (COMPONENT)			
			STANDARD		THEATER		STANDARD		THEATER	
			LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	0 ~ 255	30	---	---	---	---	---	---	---
S12	G CUT OFF	0 ~ 255	30	---	---	---	---	---	---	---
S13	B CUT OFF	0 ~ 255	30	---	---	---	---	---	---	---
S14	R DRIVE	0 ~ 127	64	---	---	---	---	---	---	---
S15	B DRIVE	0 ~ 127	64	---	---	---	---	---	---	---
S16	R CUT +-	-128 ~ +127	---	±0	±0	±0	-12	---	---	---
S17	G CUT +-	-128 ~ +127	---	±0	±0	±0	8	---	---	---
S18	B CUT +-	-128 ~ +127	---	±0	±0	±0	-10	---	---	---
S19	R DRV +-	-128 ~ +127	---	5	13	7	±0	---	---	---
S20	B DRV +-	-128 ~ +127	---	6	-25	-9	±0	---	---	---
S21	NTSC MAT	0 ~ 3	3	3	1	1	2	2	1	1
S22	BLACK ST	0 ~ 3	2	---	1	---	---	---	---	---
S23	DC REST	0 ~ 1	1	---	1	---	---	---	---	---
S24	DCRSW	0 ~ 1	1	---	1	---	---	---	---	---

No.	Setting item	Variable range	Initial setting value							
			AV-27D305/R							
			RF / EXTERNAL (S / COMPOSITE)				EXTERNAL (COMPONENT)			
			STANDARD		THEATER		STANDARD		THEATER	
			LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	0 ~ 255	30	---	---	---	---	---	---	---
S12	G CUT OFF	0 ~ 255	30	---	---	---	---	---	---	---
S13	B CUT OFF	0 ~ 255	30	---	---	---	---	---	---	---
S14	R DRIVE	0 ~ 127	64	---	---	---	---	---	---	---
S15	B DRIVE	0 ~ 127	64	---	---	---	---	---	---	---
S16	R CUT +-	-128 ~ +127	---	±0	±0	±0	±0	---	---	---
S17	G CUT +-	-128 ~ +127	---	±0	±0	±0	±0	---	---	---
S18	B CUT +-	-128 ~ +127	---	±0	±0	±0	±0	---	---	---
S19	R DRV +-	-128 ~ +127	---	±0	7	7	±0	---	---	---
S20	B DRV +-	-128 ~ +127	---	±0	-9	-9	±0	---	---	---
S21	NTSC MAT	0 ~ 3	3	3	1	1	2	2	1	1
S22	BLACK ST	0 ~ 3	2	---	1	---	---	---	---	---
S23	DC REST	0 ~ 1	1	---	1	---	---	---	---	---
S24	DCRSW	0 ~ 1	1	---	1	---	---	---	---	---

No.	Setting item	Variable range	Initial setting value		
			RF	EXTERNAL (S / COMPOSITE)	EXTERNAL (COMPONENT)
S25	ASY SHRP	0 ~ 7	4	4	4
S26	BPF FO	0 ~ 1	0	0	---
S27	KILR OFF	0 ~ 1	0	0	---
S28	KILR SEN	0 ~ 1	1	1	---

No.	Setting item	Variable range	Initial setting value
S29	RGB MUTE	0 ~ 1	0
S30	BLUE B	0 ~ 1	1
S31	VIDEO SW	0 ~ 3	3
S32	CMP ABCL	0 ~ 1	0
S33	OSD ABL	0 ~ 1	0
S34	OSD CONT	0 ~ 63	9
S35	SUB CONT	0 ~ 15	8
S36	ABL GAIN	0 ~ 3	0
S37	ABL PNT	0 ~ 3	3
S38	Y GAMMA	0 ~ 3	1
S39	Y MUTE	0 ~ 1	0
S40	SVM GAIN	0 ~ 3	3
S41	SVM PH	0 ~ 3	0
S42	WPL	0 ~ 1	0
S43	COL GMM	0 ~ 1	0
S44	V1 GAIN	0 ~ 7	4
S46	VMOFF DE	-128 ~ +127	0
S47	APC CLK	0 ~ 1	1
S48	PIP ADJ	0 ~ 15	0

4.7.2 [2. DEF(D)]

No.	Setting item	Variable range	Initial setting value			
			AV-27D305/R		AV-27D305/S	
			RF	EXTERNAL (S / COMPOSITE)	RF	EXTERNAL (S / COMPOSITE)
D01	V FREQ	0 ~ 3	0	3	0	3
D02	AFC GAIN	0 ~ 3	0	2	0	2
D03	H POSI	0 ~ 31	11	11	11	11
D04	H POSI+-	-128 ~ +127	---	---	---	---
D05	V PHASE	0 ~ 7	0	0	0	0
D06	V PH+-	-128 ~ +127	---	---	---	---
D07	V SIZE	0 ~ 127	50	50	50	50
D08	V SIZE+-	-128 ~ +127	---	---	---	---
D09	V CENTER	0 ~ 63	32	32	32	32
D10	V CENT+-	-128 ~ +127	---	---	---	---
D11	V S CORR	0 ~ 15	4	4	4	4
D12	V S CO+-	-128 ~ +127	---	---	---	---
D13	V LIN	0 ~ 15	11	11	11	11
D14	V LIN+-	-128 ~ +127	---	---	---	---
D15	H SIZE	0 ~ 63	32	32	32	32
D16	H SIZE+-	-128 ~ +127	---	---	---	---
D17	WVMT TOP	0 ~ 3	1	1	0	0
D18	WVMT BTM	0 ~ 3	0	0	0	0
D19	EWCR TOP	0 ~ 31	16	16	16	16
D20	EWCR T+-	-128 ~ +127	---	---	---	---
D21	EWCR BTM	0 ~ 31	16	16	16	16
D22	EWCR B+-	-128 ~ +127	---	---	---	---
D23	EW PARA	0 ~ 63	26	26	26	26
D24	EW PAR+-	-128 ~ +127	---	---	---	---
D25	V EHT	0 ~ 7	0	0	0	0
D26	V EHT+-	-128 ~ +127	---	---	---	---
D27	H EHT	0 ~ 7	0	0	0	0
D28	H EHT+-	-128 ~ +127	---	---	---	---
D29	TRAPEZ	0 ~ 63	34	34	34	34
D30	TRAPEZ+-	-128 ~ +127	---	---	---	---
D31	V AGC	0 ~ 1	0	0	0	0
D32	BLANK SW	0 ~ 1	0	0	0	0
D33	VRMP BI	0 ~ 1	0	0	0	0

4.7.3 [3. SOUND(A)]

No.	Setting item	Variable range	Initial setting value
A01	IN LEVEL	0 ~ 15	12
A02	LOW SEP	0 ~ 63	39
A03	HI SEP	0 ~ 63	16
A04	SAPC	0 ~ 1	0
A05	BBE BASS	-128 ~ +127	-6
A06	BBE TRE	-128 ~ +127	-6
A07	AHS MVE	-128 ~ +127	0
A08	AHS MSC	-128 ~ +127	0

4.7.4 [4. OTHERS(F)] [Do not adjust : All fixed]

No.	Setting item	Variable range	Initial setting value
F01	OSD POSI	0 ~ 255	24
F02	OSD FREQ	0 ~ 255	83
F03	CCD POSI	0 ~ 255	44
F04	CCD FREQ	0 ~ 255	93
F05	CCD CONT	0 ~ 63	11
F06	PUR WBCK	0 ~ 1	0
F07	PUR CONT	0 ~ 63	62
F08	CCD PCHK	0 ~ 1	1
F09	VMOFF	0 ~ 1	0
F10	VNR CHK	0 ~ 255	3
F11	VCSN TM	0 ~ 255	5
F12	VM DAT A	-128 ~ +127	8
F13	VM DAT B	-128 ~ +127	-4
F14	VM DAT C	-128 ~ +127	-10
F15	VM DAT D	-128 ~ +127	-16
F16	VM DAT E	0 ~ 1	0
F17	XDSID TM	0 ~ 255	15
F18	FM TRAP	0 ~ 1	0

4.7.5 [5. 3L Y/C(LYC)] [Do not adjust : All fixed]

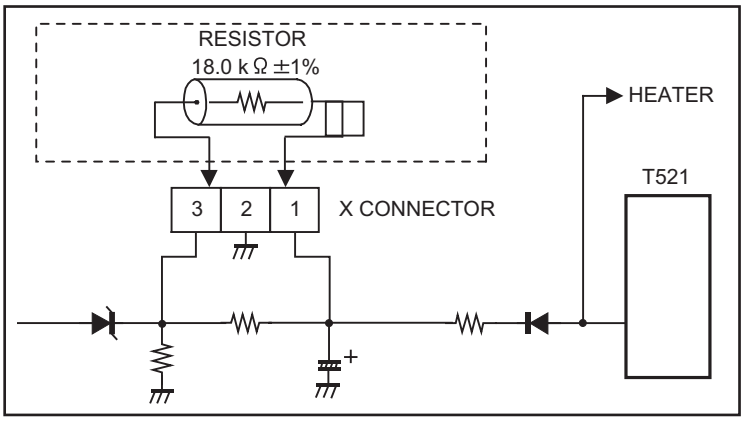
No.	Setting item	Variable range	Initial setting value
LYC01	MODE	0 ~ 7	4
LYC02	VENH	0 ~ 7	1
LYC03	PDSOFF	0 ~ 1	0
LYC04	CB	0 ~ 1	0
LYC05	VNLR	0 ~ 15	2
LYC06	GSEL0	0 ~ 1	0
LYC07	GSEL1	0 ~ 1	1
LYC08	COR	0 ~ 3	0
LYC09	TRAP	0 ~ 1	1
LYC10	CHTRAP	0 ~ 1	0
LYC11	CBPF	0 ~ 1	0
LYC12	ENHOFF	0 ~ 1	0

4.7.6 [12. SYSTEM(SYS)] [Do not adjust : All fixed]

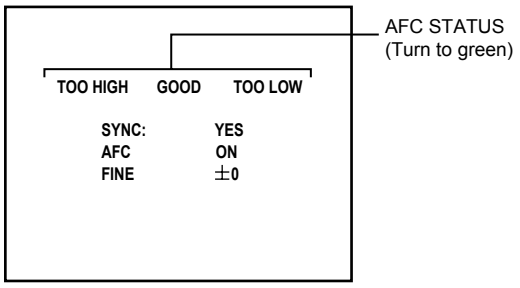
No.	Setting item	Variable range	Initial setting value
SYS01	VIDEO IN	0 ~ 4	3
SYS02	VSM	0 ~ 1	0
SYS03	CLR TEMP	0 ~ 1	1
SYS04	THEATER	0 ~ 1	1
SYS05	THEA PRO	0 ~ 1	1
SYS06	GAME MD	0 ~ 1	1
SYS07	AHS	0 ~ 1	0
SYS08	HYPER SR	0 ~ 1	1
SYS09	BBE	0 ~ 1	1
SYS10	S SOUND	0 ~ 1	1
SYS11	16:9 MD	0 ~ 3	0
SYS12	S CCD	0 ~ 1	1
SYS13	ID DISP	0 ~ 1	1
SYS14	CH LAB	0 ~ 1	0
SYS15	V LAB	0 ~ 1	0
SYS16	W CLOCK	0 ~ 1	0
SYS17	PIM	0 ~ 1	1
SYS18	PURITY	0 ~ 1	0
SYS19	VOL MUTE	0 ~ 1	0
SYS20	VCHIP	0 ~ 1	1
SYS21	VCHIP CA	0 ~ 1	1
SYS22	CCD	0 ~ 1	1
SYS23	HYPSCAN	0 ~ 1	1
SYS24	JVC LOGO	0 ~ 1	1
SYS25	PANORAMA	0 ~ 1	0

4.8 ADJUSTMENT PROCEDURE

4.8.1 CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part	Description
B1 POWER SUPPLY	Signal generator DC voltmeter	R927 : TP-91 HEAT SINK (IC421) : TP-E [MAIN PWB]		(1) Receive the black and white signal. (color off) (2) Connect the DC voltmeter to the TP-E and TP-91 (R927). (3) Confirm that the voltage is DC134V±2V.
HIGH VOLTAGE HOLD DOWN check	Resistor (18.0kΩ,1/4W)	X connector 1-pin 3-pin [MAIN PWB]		• After reparing the high voltage hold down circuit. This circuit shall be checked to operate correctly. (1) Turn the power switch to on. (2) Refer to the figure, connect the resistor between X connector 1-pin and 3-pin. (3) Make sure that the screen picture disappeares. (4) Disconnect the power plug. (5) Remove the resistor. (6) Again connect the power plug. (7) Turn the power switch to on. (8) Make sure that the normal picture is displayed on the screen.
				

4.8.2 TUNER / IF CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO	Remote control unit		[9.VCO] CW transf. (T111) [MAIN PWB]	• It must not adjust without inputting the RF signal. (1) Receive the any broadcast. (2) Select 9.VCO from the SERVICE MODE. (3) Change the "AFC" to "OFF" and "FINE" to "0". (4) Confirm that the color change from "TOO HIGH" to "TOO LOW" by CW transf. on MAIN PWB, and check the "SYNC" is "YES". (5) Adjust CW transf. until "GOOD" letters turns green. And then confirm that the "SYNC" is "YES" again. Adjustment can be done in this statement. (6) It return the "AFC" to "ON". (7) Push the [EXIT] key to exit the 9.VCO.
				

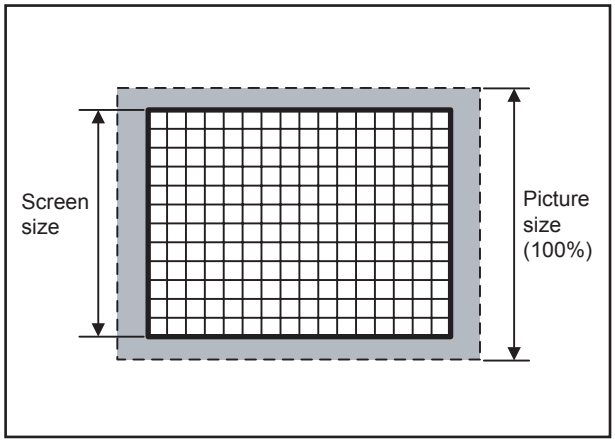
4.8.3 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator		FOCUS VR [In HVT]	(1) Receive the crosshatch signal. (2) While looking at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be clear and in fine detail. (3) Make sure that the picture is in focus even when the screen gets darkened.

4.8.4 DEFLECTION CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>V. SIZE /
V. POSITION</td><td>Signal generator

Remote control unit</td><td></td><td>[2.DEF(D)]
D07 : V SIZE

V. CENTER SW(S401)
[MAIN PWB]</td><td rowspan="4">(1) Receive the cross-hatch signal.
(2) Select 2.DEF(D) from the SERVICE MODE.
(3) Select the < D07 >(V SIZE).
(4) Adjust < D07 > so that the vertical screen size become setting value in the table.
(5) Adjust the V. CENTER SW to agree the vertical center with display center.</td></tr>
<tr><td colspan="4"> 

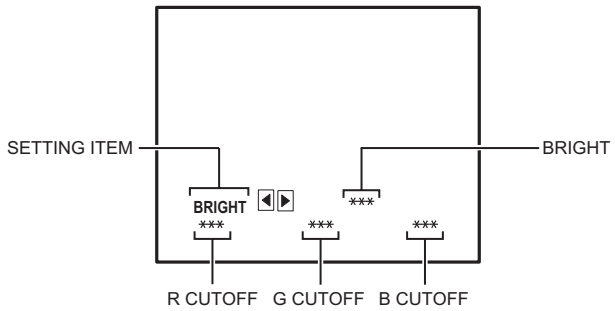
<table>
<tr><th>Model name</th><th>Vertical screen size</th></tr>
<tr><td>AV-27D305/R</td><td>90.0%</td></tr>
<tr><td>AV-27D305/S</td><td>89.0%</td></tr>
</table>
<table>
<tr><th>Setting item</th><th>Initial setting value</th></tr>
<tr><td>D07: V SIZE</td><td>50</td></tr>
</table></td></tr>
<tr><td>H. POSITION</td><td>Signal generator

Remote control unit</td><td></td><td>[2.DEF(D)]
D03 : H POSI</td></tr>
<tr><td colspan="4"><table>
<tr><th>Setting item</th><th>Initial setting value</th></tr>
<tr><td>D03: H POSI</td><td>11</td></tr>
</table></td></tr>
</table>

4.8.5 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (LOW LIGHT)	Signal generator Remote control unit		[1.V/C (S)] S01: BRIGHT S11: R CUTOFF S12: G CUTOFF S13: B CUTOFF [7.LOW LIGHT] SCREEN VR [in HVT]	(1) Receive the black and white signal (color off). (2) Select the 1.V/C (S) from the SERVICE MODE. (3) Confirm the initial setting value of < S11 > (R CUTOFF), < S12 > (G CUTOFF), < S13 > (B CUTOFF) and < S01 > (BRIGHT). (4) Return to the main menu in SERVICE MODE. (5) Select the 7.LOW LIGHT from the SERVICE MODE. (6) Display a single horizontal line by pressing the [1] key. (7) Turn the SCREEN VR all the way to the left. (8) Turn the SCREEN VR gradually to the right from the left until either one of the red, blue or green colors appears faintly. (9) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [4]~[9] keys. (10) Turn the SCREEN VR until the single horizontal line is displayed faintly. (11) Press the [2] key to cancel the single horizontal line mode. (12) Return to the main menu in SERVICE MODE. (13) Select the 1.V/C (S) from the SERVICE MODE. (14) Adjust the BRIGHT level to become the black component shines white slightly by < S01 >. (15) Confirm that whether the color ingredient of R, G, or B is visible to the black component, which shines white slightly. (16) When the color ingredient can be seen, two colors other than a visible color are adjusted, and it is made to look white. (17) Return the value of < S01 > to initial setting value. • The [3] (EXIT) key is the cancel key for the WHITE BALANCE.

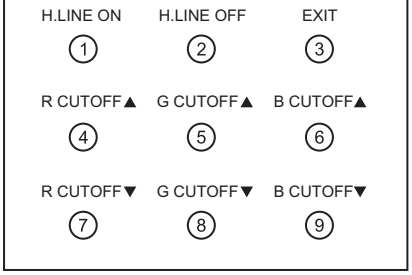
LOW LIGHT adjustment mode



SINGLE HORIZONTAL LINE

Setting item	Initial setting value
S11: R CUT OFF	30
S12: G CUT OFF	30
S13: B CUT OFF	30
S01: BRIGHT	64

REMOTE CONTROL UNIT

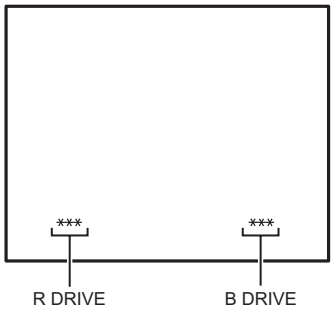


<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>WHITE BALANCE (HIGH LIGHT)</td><td>Signal generator

Remote control unit</td><td></td><td>[1.V/C (S)]
S14: R DRIVE
S15: B DRIVE

[8.HIGH LIHGT]</td><td rowspan="2">(1) Receive the black-and-white signal (color off).
(2) Select the 1.V/C (S) from the SERVICE MODE.
(3) Set the initial setting value of < S14 > (R DRIVE) and < S15 > (B DRIVE).
(4) Return to the main menu in SERVICE MODE.
(5) Select the 8.HIGH LIGHT from the SERVICE MODE.
(6) Adjust the screen until it becomes white using the [4], [6], [7] and [9] keys.

• The [3] (EXIT) key is the cancel key for the WHITE BALANCE.

REMOTE CONTROL UNIT
EXIT
① ② ③
R DRIVE▲ B DRIVE▲
④ ⑤ ⑥
R DRIVE▼ B DRIVE▼
⑦ ⑧ ⑨</td></tr>
<tr><td colspan="4">HIGH LIGHT adjustment mode
 

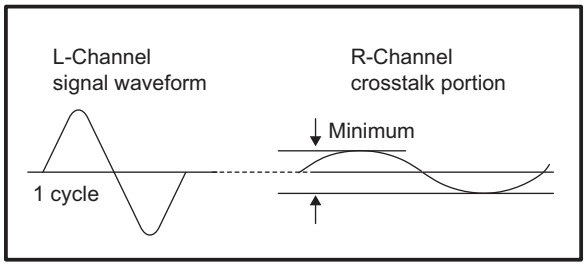
<table><tr><th>Setting item</th><th>Initial setting value</th></tr><tr><td>S14: R DRIVE</td><td>64</td></tr><tr><td>S15: B DRIVE</td><td>64</td></tr></table></td></tr>
<tr><td>SUB BRIGHT</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]
S01: BRIGHT</td><td rowspan="2">(1) Receive the any broadcast.
(2) Select the 1.V/C (S) from the SERVICE MODE.
(3) Select < S01 > (BRIGHT).
(4) Set the initial setting value of the < S01 >.
(5) If the brightness is not the best with the initial setting value, make fine adjustment of the < S01 > until you get the optimum brightness.</td></tr>
<tr><td colspan="4"><table><tr><th>Setting item</th><th>Initial setting value</th></tr><tr><td>S01: BRIGHT</td><td>64</td></tr></table></td></tr>
<tr><td>SUB CONTRAST</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]
S02: PICTURE</td><td rowspan="2">(1) Receive the any broadcast.
(2) Select the 1.V/C (S) from the SERVICE MODE.
(3) Select < S02 > (PICTURE).
(4) Set the initial setting value of the < S02 >.
(5) If the contrast is not the best with the initial setting value, make fine adjustment of the < S02 > until you get the optimum contrast.</td></tr>
<tr><td colspan="4"><table><tr><th>Setting item</th><th>Initial setting value</th></tr><tr><td>S02: PICTURE</td><td>65</td></tr></table></td></tr>
</table>

4.8.6 MTS CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>MTS INPUT LEVEL</td><td>Remote control unit</td><td></td><td>[3.SOUND (A)]
A01: IN LEVEL</td><td>(1) Receive the any broadcast.
(2) Select the 3.SOUND (A) from the SERVICE MODE.
(3) Select the < A01 > (IN LEVEL).
(4) Set the intal setting value of the < A01 >.

<table><tr><th>Setting item</th><th>Initial setting value</th></tr><tr><td>A01: IN LEVEL</td><td>12</td></tr></table></td></tr>
<tr><td>MTS SEPARATION</td><td>TV audio multiplex signal generator

Oscilloscope</td><td>R OUT
L OUT
[AUDIO OUT]</td><td>[3.SOUND (A)]
A02: LOW SEP.
A03: HI SEP.</td><td rowspan="2">(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.
(2) Connect an oscilloscope to R OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal.
(3) Select the 3.SOUND (A) from the SERVICE MODE.
(4) Select the < A02 > (LOW SEP.).
(5) Set the initial setting value of the < A02 >.
(6) Adjust the < A02 > so that the stroke element of the 300Hz signal will become minimum.
(7) Change the connection of the oscilloscope to L OUT pin of the AUDIO OUT, and enlarge the voltage axis.
(8) Change the signal to 3kHz, and similarly adjust the < A03 > (HI SEP.).

<table><tr><th>Setting item</th><th>Initial setting value</th></tr><tr><td>A02: LOW SEP</td><td>39</td></tr><tr><td>A03: HI SEP</td><td>16</td></tr></table></td></tr>
<tr><td colspan="4"> 
</td></tr>
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SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC SERVICE & ENGINEERING COMPANY OF AMERICA

DIVISION OF JVC AMERICAS CORP.

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JVC®

(No.YA073)

Printed in Japan

WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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PACKING PARTS LIST 3-13

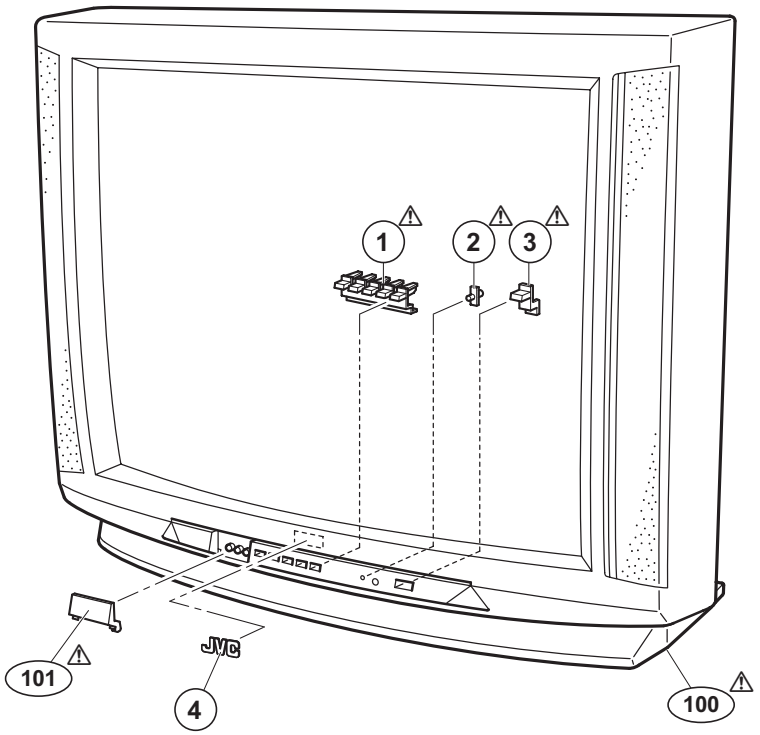
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-27D305/R	AV-27D305/S
MAIN P.W.B	SFE-1044A-M2	SFE-1041A-M2
REMOTE CONTROL UNIT	RM-C1259G-1H	←

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	GQ30025-002A-A	CONTROL KNOB		
⚠	2	LC30191-004A-A	REMOCON LENS		
⚠	3	GQ30026-002A-A	POWER KNOB		
	4	CM48006-007-C	JVC MARK		
⚠	100	GQ10018-004A-A	FRONT CABINET ASSY	Inc.No.101	
⚠	101	GQ30024-002A-A	DOOR		

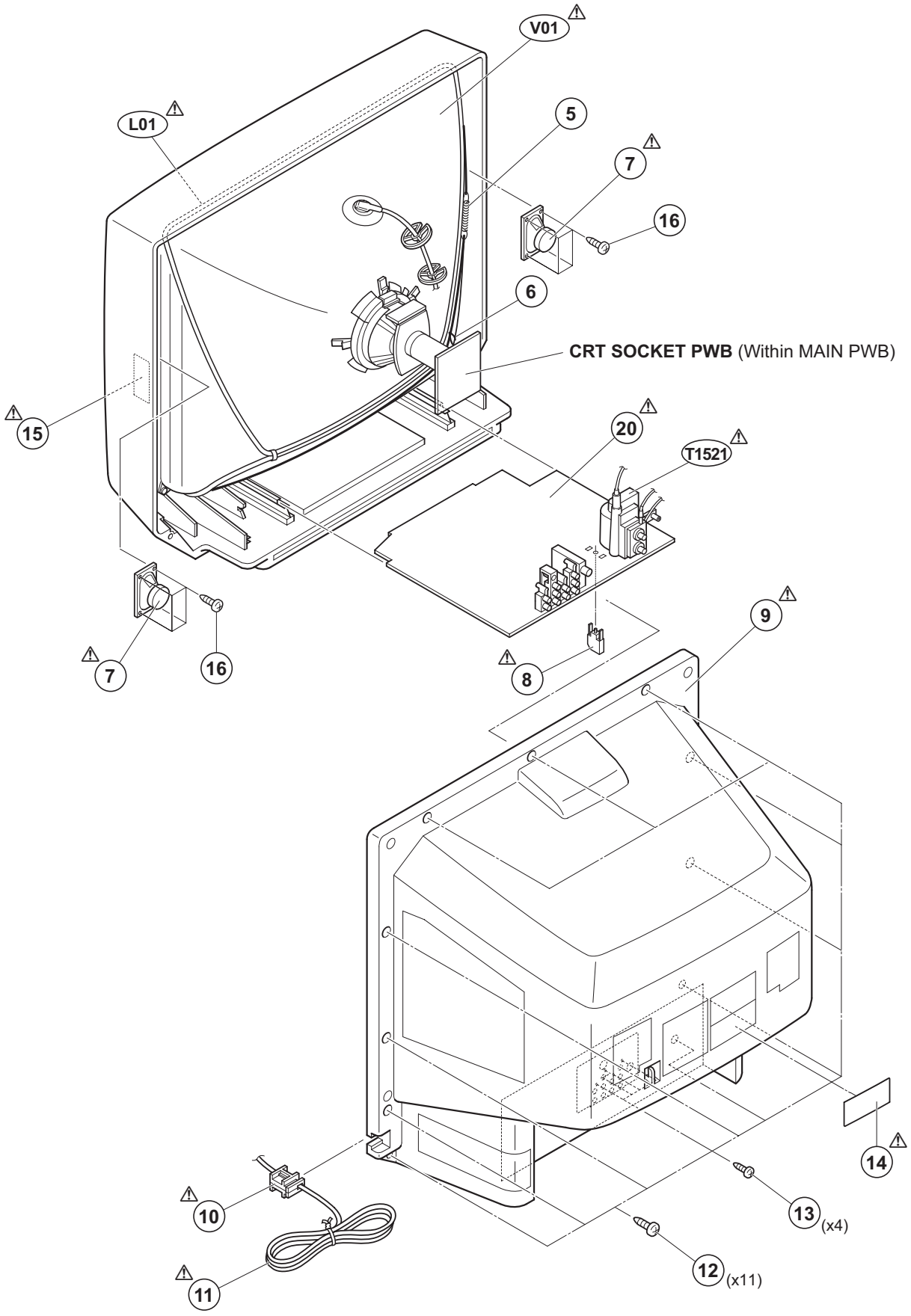
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	A68ADT25X01	ITC	Inc.DEF YOKE/PC MAGNET	AV-27D305/R
⚠	V01	A68QDN891X001	ITC	Inc.DEF YOKE/PC MAGNET	AV-27D305/S
⚠	L01	CE41329-00DJB	DEG COIL		
⚠	T1521	QQH0129-001	FB TRANSF		
	5	CHGB0016-0C	BRAIDED ASSY		
	6	CHGB0015-0B	BRAIDED ASSY		
⚠	7	QAS0054-001	SPEAKER	SP01/SP02(x2)	
⚠	8	CM48144-001-A	PB STOPPER		
⚠	9	GQ10017-001B-A	REAR COVER		
⚠	10	LC20106-001D-A	POWER CORD CLAMP		
⚠	11	QMPD390-200-JS	POWER CORD(US/CA)	2m BLACK	
	12	QYSBSFG4016Z	TAP SCREW	4.0mm x 16mm(x11)	
	13	QYSBSB3010Z	TAP SCREW	3.0mm x 10mm(x4)	
⚠	14	GQ30032-001A-A	RATING LABEL		
⚠	15	GQ30034-001B-A	WARNING LABEL		
	16	QYSBSB4012Z	TAP SCREW	4mm x 12mm(x8)	
⚠	20	SFE-1044A-M2	MAIN PWB	Inc.CRT SOCKET PWB	AV-27D305/R
⚠	20	SFE-1041A-M2	MAIN PWB	Inc.CRT SOCKET PWB	AV-27D305/S

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST [AV-27D305/R]

MAIN P.W. BOARD ASS'Y (SFE-1044A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342FP-X	IC		
IC1201	TM8812CSDNG5DB9	IC(MCU)		
IC1251	TC90A49AP	IC		
⚠IC1421	AN5522	IC		
IC1601	NJM2150AD	IC		
⚠IC1602	TFA9842J/N1	IC		
IC1641	CXA2205Q-X	IC		
IC1702	AT24C08-27D305	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT	38kHz	
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	L7809CP	IC		
IC1922	L7805CP	IC		
Q1001	UN2212-X	TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SA1530A/QR/-X	SI TRANSISTOR		
Q1161	2SC3928A/QR/-X	TRANSISTOR		
Q1211	2SC3928A/QR/-X	TRANSISTOR		
Q1232	2SC3928A/QR/-X	TRANSISTOR		
Q1233	2SC3928A/QR/-X	TRANSISTOR		
Q1251	2SC3928A/QR/-X	TRANSISTOR		
Q1252	2SC3928A/QR/-X	TRANSISTOR		
Q1281	2SA1530A/QR/-X	SI TRANSISTOR		
Q1282	2SC3928A/QR/-X	TRANSISTOR		
Q1283	2SA1530A/QR/-X	SI TRANSISTOR		
Q1291	2SA1530A/QR/-X	SI TRANSISTOR		
Q1292	2SC3928A/QR/-X	TRANSISTOR		
Q1293	2SA1530A/QR/-X	SI TRANSISTOR		
Q1301	2SC4075/DE/YA11	POW TRANSISTOR		
Q1311	2SC4075/DE/YA11	POW TRANSISTOR		
Q1321	2SC4075/DE/YA11	POW TRANSISTOR		
Q1331	2SA1530A/QR/-X	SI TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H.OUT	
Q1623	2SA1530A/QR/-X	SI TRANSISTOR		
Q1625	2SC3928A/QR/-X	TRANSISTOR		
Q1681	2SC3928A/QR/-X	TRANSISTOR		
Q1682	2SC3928A/QR/-X	TRANSISTOR		
Q1683	2SC3928A/QR/-X	TRANSISTOR		
Q1684	2SC3928A/QR/-X	TRANSISTOR		
Q1701	2SA1530A/QR/-X	SI TRANSISTOR		
Q1751	UN2112-X	TRANSISTOR		
Q1851	2SA1530A/QR/-X	SI TRANSISTOR		
Q1921	2SD1383K/AB/-X	SI TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1530A/QR/-X	SI TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	DIODE		
D1332	1SS133-T2	DIODE		
D1333	1SS133-T2	DIODE		
D1334	1SS133-T2	DIODE		
D1352	MTZJ9.1C-T2	Z DIODE		
D1353	1SS133-T2	DIODE		
D1365	1SS133-T2	DIODE		
D1366	1SS133-T2	DIODE		
D1367	1SS133-T2	DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-04TS-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1621	1SS133-T2	DIODE		
D1622	1SS133-T2	DIODE		
D1623	1SS133-T2	DIODE		
D1681	MTZJ9.1C-T2	Z DIODE		
D1682	MTZJ9.1C-T2	Z DIODE		
D1683	MTZJ9.1C-T2	Z DIODE		
D1684	MTZJ9.1C-T2	Z DIODE		
D1685	MTZJ9.1C-T2	Z DIODE		
D1686	MTZJ9.1C-T2	Z DIODE		
D1687	MTZJ9.1C-T2	Z DIODE		
D1688	MTZJ9.1C-T2	Z DIODE		
D1705	1SS133-T2	DIODE		
D1751	LG22440	LED	POWER/ON TIMER	
D1801	MTZJ9.1C-T2	Z DIODE		
D1802	MTZJ9.1C-T2	Z DIODE		
D1803	MTZJ9.1C-T2	Z DIODE		
D1804	MTZJ9.1C-T2	Z DIODE		
D1807	MTZJ9.1C-T2	Z DIODE		
D1831	MTZJ9.1C-T2	Z DIODE		
D1832	MTZJ9.1C-T2	Z DIODE		
D1833	MTZJ9.1C-T2	Z DIODE		
D1834	MTZJ9.1C-T2	Z DIODE		
⚠D1901	GSIB460-S1	DIODE BRI		
D1902	RGP10J-04TS-T3	SI DIODE		
D1903	RGP10J-04TS-T3	SI DIODE		
D1904	RGP10J-04TS-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	RGP10J-04TS-T3	SI DIODE		
D1922	RGP10J-04TS-T3	SI DIODE		
D1923	RGP10J-04TS-T3	SI DIODE		
D1924	RGP10J-04TS-T3	SI DIODE		
D1925	1SS133-T2	DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	DIODE		
D1931	1SS133-T2	DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	FR DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1167	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	

⚠Ref No.	Part No.	Part Name	Description Local
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C1331	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M
C1522	QFZ0198-123	MPP CAPACITOR	0.012uF 1.5kV H
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V J
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1601	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1602	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1603	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C1604	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C1605	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C1606	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C1607	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1608	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1609	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1610	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1616	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1619	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1622	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C1623	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C1625	QETN1EM-227Z	E CAPACITOR	220uF 25V M
C1627	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1628	QETN1EM-227Z	E CAPACITOR	220uF 25V M
C1629	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1630	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1632	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1633	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1641	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1642	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1643	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1644	NCB31HK-562X	C CAPACITOR	5600pF 50V K
C1645	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C1646	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1647	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1648	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1649	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1650	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1651	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1652	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1653	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1654	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1655	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C1656	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1657	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1658	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1659	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1660	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1662	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1663	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1665	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1666	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C1667	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1669	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1670	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1689	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1831	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C1832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
C1903	QEZ0169-477	E CAPACITOR	470uF 200V M
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1927	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF AC250V M

⚠Ref No.	Part No.	Part Name	Description Local
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1121	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1122	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1134	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1171	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1303	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1313	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1323	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1331	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1335	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J
R1531	NRZ0032-7151X	CHIP MF RESISTOR	7.15kΩ
R1533	NRZ0032-2941X	CHIP MF RESISTOR	2.94kΩ
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J
R1601	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1602	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1603	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1604	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1615	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1616	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1618	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1619	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1622	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1624	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1638	QRT039J-3R3	MF RESISTOR	3.3Ω 3W J
R1641	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1642	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1643	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1644	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1645	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1646	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1647	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1648	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1649	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1650	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1651	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1652	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1653	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1654	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1655	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1832	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1833	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1834	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1835	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1836	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1839	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
L1101	QQLZ014-R39	COIL	0.39uH 100mA L
L1131	QQL29BJ-220Z	P COIL	0.65Ω 22uH J
L1161	QQL29BJ-220Z	P COIL	0.65Ω 22uH J
L1232	QQL29BJ-560Z	PEAKING COIL	56uH J
L1251	QQL29BJ-4R7Z	PEAKING COIL	4.7uH J
L1281	QQL29BJ-150Z	PEAKING COIL	15uH J
L1291	QQL29BJ-150Z	PEAKING COIL	15uH J
L1341	QQL29BJ-390Z	PEAKING COIL	39uH J
L1521	QQR1027-004	LINIARITY COIL	
L1921	QQL26AK-470Z	CHOKE COIL	47uH K
L1922	QQL26AK-470Z	CHOKE COIL	47uH K
T1111	QQR0907-001	I F T	
T1501	QQR1414-001	DRIVE TRANSF	
⚠T1901	QQT0355-001	POWER TRANSF	
⚠T1921	QQS0204-001	SW TRANSF	
CF1001	QAX0349-001	C TRAP	47.25MHz
CF1131	QAX0639-001Z	C TRAP	4.500MHz
CF1161	QAX0642-001Z	C FILTER	4.500MHz
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN100T	CHGC05-480	CONNECTOR ASSY	
CN100U	CHGC04-400	CONNECTOR ASSY	
CN10E1	CHGT0015-0B	CONNECTOR ASSY	
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN1X	CH41169-R03Y	EH POST HEADER	
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V
H1002	LC30381-001A	HEAT SINK	
H1602	LC32599-001A	HEAT SINK	
HS1004	LC31696-001A	HEAT SINK	
HS1009	LC31678-001A	HEAT SINK/AL-F/	
J1001	QNZ0454-001	AV JACK	S/V/L/R IN
J1002	QNN0348-001	PIN JACK	L/R OUT
J1003	QNN0349-002	PIN JACK	V/L/R IN
J1004	QNN0348-001	PIN JACK	L/R IN
J1005	CEMN065-001	PIN JACK	V IN
J1006	CEMN065-002	PIN JACK	L IN
J1007	CEMN072-003	PIN JACK	R IN
K1001	QQR0582-001Z	FERRITE BEADS	
K1101	QQR0582-001Z	FERRITE BEADS	
K1251	QQR0582-001Z	FERRITE BEADS	
K1252	QQR0582-001Z	FERRITE BEADS	
K1253	QQR0582-001Z	FERRITE BEADS	
K1254	QQR0582-001Z	FERRITE BEADS	
K1255	QQR0621-002Z	FERRITE BEADS	
K1401	QQR0582-001Z	FERRITE BEADS	
K1701	QQR0582-001Z	FERRITE BEADS	
K1702	QQR0582-001Z	FERRITE BEADS	
K1901	QQR0582-001Z	FERRITE BEADS	
K1902	QQR0582-001Z	FERRITE BEADS	
K1903	QQR0582-001Z	FERRITE BEADS	
K1904	QQR0582-001Z	FERRITE BEADS	
K1921	QQR0582-001Z	FERRITE BEADS	
K1922	QQR0582-001Z	FERRITE BEADS	
K1923	QQR0582-001Z	FERRITE BEADS	
LC1687	QQR1459-001	EMI F. COIL	
LC1688	QQR1459-001	EMI F. COIL	
LC1801	QQR1459-001	EMI F. COIL	
⚠LF1901	QQR0527-003	LINE FILTER	
⚠RY1901	QSK0085-001	RELAY	
S1401	QSL4A13-C02	LEVER SWITCH	V.CENTER
S1751	QSW0619-003Z	TACT SWITCH	POWER
S1752	QSW0619-003Z	TACT SWITCH	VOL+
S1753	QSW0619-003Z	TACT SWITCH	VOL-
S1754	QSW0619-003Z	TACT SWITCH	CH+
S1755	QSW0619-003Z	TACT SWITCH	CH-
S1756	QSW0619-003Z	TACT SWITCH	MENU
SF1101	QAX0723-001	SAW FILTER	
⚠SK1351	QNZ0536-001	CRT SOCKET	
⚠TH1901	QAD0129-3R0	POSISTOR	3Ω
⚠TU1001	QAU0353-001	TUNER	
⚠VA1901	ERZV10V621CS	ZNR	
X1701	QAX0717-001Z	CRYSTAL	8.000MHz

PRINTED WIRING BOARD PARTS LIST [AV-27D305/S]

MAIN P.W. BOARD ASS'Y (SFE-1041A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342FP-X	IC		
IC1201	TM8812CSDNG5DB9	IC(MCU)		
IC1251	TC90A49AP	IC		
⚠IC1421	AN5522	IC		
IC1601	NJM2150AD	IC		
⚠IC1602	TFA9842J/N1	IC		
IC1641	CXA2205Q-X	IC		
IC1702	AT24C08-27D305	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT	38kHz	
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	L7809CP	IC		
IC1922	L7805CP	IC		
Q1001	UN2212-X	TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SA1530A/QR/-X	SI TRANSISTOR		
Q1161	2SC3928A/QR/-X	TRANSISTOR		
Q1211	2SC3928A/QR/-X	TRANSISTOR		
Q1232	2SC3928A/QR/-X	TRANSISTOR		
Q1233	2SC3928A/QR/-X	TRANSISTOR		
Q1251	2SC3928A/QR/-X	TRANSISTOR		
Q1252	2SC3928A/QR/-X	TRANSISTOR		
Q1281	2SA1530A/QR/-X	SI TRANSISTOR		
Q1282	2SC3928A/QR/-X	TRANSISTOR		
Q1283	2SA1530A/QR/-X	SI TRANSISTOR		
Q1291	2SA1530A/QR/-X	SI TRANSISTOR		
Q1292	2SC3928A/QR/-X	TRANSISTOR		
Q1293	2SA1530A/QR/-X	SI TRANSISTOR		
Q1301	2SC4075/DE/YA11	POW TRANSISTOR		
Q1311	2SC4075/DE/YA11	POW TRANSISTOR		
Q1321	2SC4075/DE/YA11	POW TRANSISTOR		
Q1331	2SA1530A/QR/-X	SI TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H.OUT	
Q1623	2SA1530A/QR/-X	SI TRANSISTOR		
Q1625	2SC3928A/QR/-X	TRANSISTOR		
Q1681	2SC3928A/QR/-X	TRANSISTOR		
Q1682	2SC3928A/QR/-X	TRANSISTOR		
Q1683	2SC3928A/QR/-X	TRANSISTOR		
Q1684	2SC3928A/QR/-X	TRANSISTOR		
Q1701	2SA1530A/QR/-X	SI TRANSISTOR		
Q1751	UN2112-X	TRANSISTOR		
Q1851	2SA1530A/QR/-X	SI TRANSISTOR		
Q1921	2SD1383K/AB/-X	SI TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1530A/QR/-X	SI TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	DIODE		
D1332	1SS133-T2	DIODE		
D1333	1SS133-T2	DIODE		
D1334	1SS133-T2	DIODE		
D1352	MTZJ9.1C-T2	Z DIODE		
D1353	1SS133-T2	DIODE		
D1365	1SS133-T2	DIODE		
D1366	1SS133-T2	DIODE		
D1367	1SS133-T2	DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-04TS-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1621	1SS133-T2	DIODE		
D1622	1SS133-T2	DIODE		
D1623	1SS133-T2	DIODE		
D1681	MTZJ9.1C-T2	Z DIODE		
D1682	MTZJ9.1C-T2	Z DIODE		
D1683	MTZJ9.1C-T2	Z DIODE		
D1684	MTZJ9.1C-T2	Z DIODE		
D1685	MTZJ9.1C-T2	Z DIODE		
D1686	MTZJ9.1C-T2	Z DIODE		
D1687	MTZJ9.1C-T2	Z DIODE		
D1688	MTZJ9.1C-T2	Z DIODE		
D1705	1SS133-T2	DIODE		
D1751	LG22440	LED	POWER/ON TIMER	
D1801	MTZJ9.1C-T2	Z DIODE		
D1802	MTZJ9.1C-T2	Z DIODE		
D1803	MTZJ9.1C-T2	Z DIODE		
D1804	MTZJ9.1C-T2	Z DIODE		
D1807	MTZJ9.1C-T2	Z DIODE		
D1831	MTZJ9.1C-T2	Z DIODE		
D1832	MTZJ9.1C-T2	Z DIODE		
D1833	MTZJ9.1C-T2	Z DIODE		
D1834	MTZJ9.1C-T2	Z DIODE		
⚠D1901	GSIB460-S1	DIODE BRI		
D1902	RGP10J-04TS-T3	SI DIODE		
D1903	RGP10J-04TS-T3	SI DIODE		
D1904	RGP10J-04TS-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	RGP10J-04TS-T3	SI DIODE		
D1922	RGP10J-04TS-T3	SI DIODE		
D1923	RGP10J-04TS-T3	SI DIODE		
D1924	RGP10J-04TS-T3	SI DIODE		
D1925	1SS133-T2	DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	DIODE		
D1931	1SS133-T2	DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	FR DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1167	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	

⚠Ref No.	Part No.	Part Name	Description Local
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C1331	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M
C1522	QFZ0198-133	MPP CAPACITOR	0.013uF 1.5kV H
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V J
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1601	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1602	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1603	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C1604	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C1605	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C1606	NCB31HK-333X	C CAPACITOR	0.033uF 50V K
C1607	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1608	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1609	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1610	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1616	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1619	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1622	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C1623	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C1625	QETN1EM-227Z	E CAPACITOR	220uF 25V M
C1627	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1628	QETN1EM-227Z	E CAPACITOR	220uF 25V M
C1629	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1630	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1632	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1633	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1641	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1642	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1643	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1644	NCB31HK-562X	C CAPACITOR	5600pF 50V K
C1645	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C1646	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1647	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1648	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1649	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1650	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1651	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1652	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1653	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1654	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1655	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C1656	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1657	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1658	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1659	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1660	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1662	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1663	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1665	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1666	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C1667	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1669	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1670	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1689	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1831	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C1832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
C1903	QEZ0169-477	E CAPACITOR	470uF 200V M
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1927	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF AC250V M

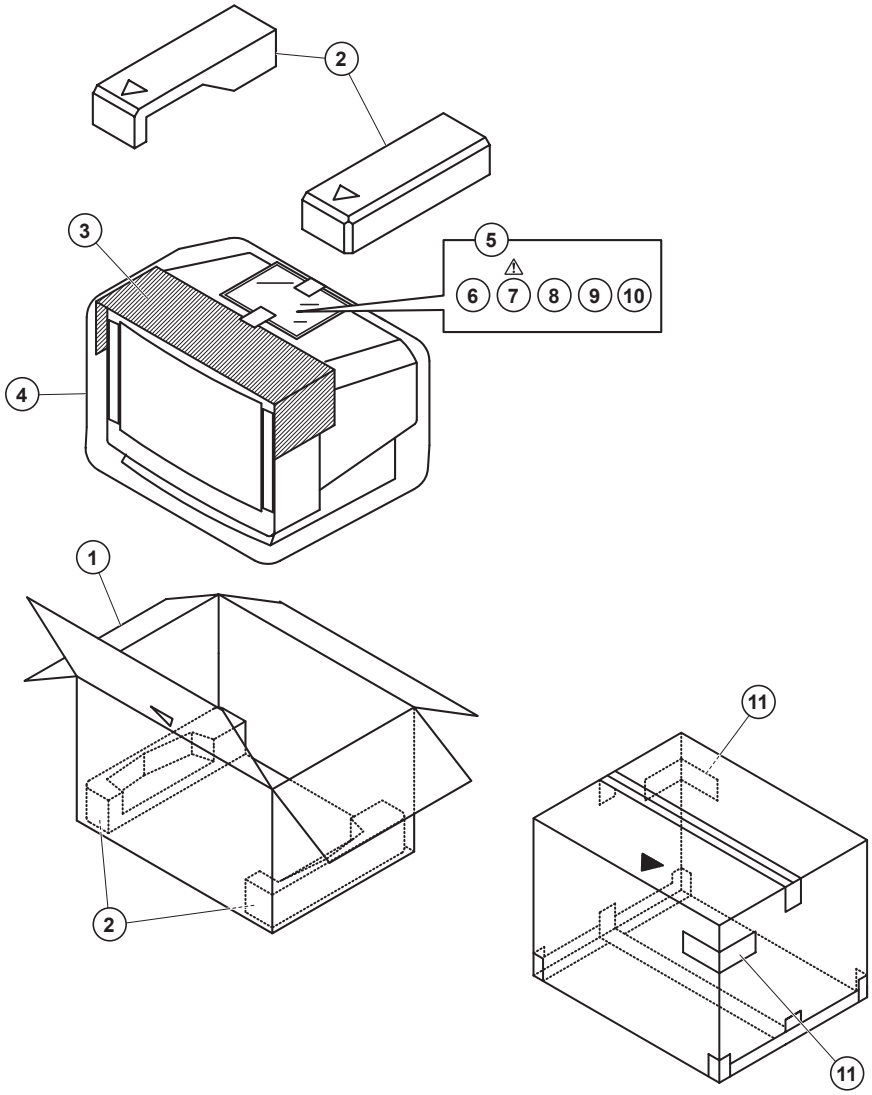
⚠Ref No.	Part No.	Part Name	Description Local
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1121	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1122	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1134	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1171	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1303	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1313	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1323	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1331	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1335	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J
R1531	NRZ0032-7151X	CHIP MF RESISTOR	7.15kΩ
R1533	NRZ0032-2941X	CHIP MF RESISTOR	2.94kΩ
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J
R1601	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1602	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1603	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1604	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1615	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1616	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1618	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1619	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1622	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1624	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1638	QRT039J-3R3	MF RESISTOR	3.3Ω 3W J
R1641	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1642	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1643	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1644	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1645	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1646	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1647	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1648	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1649	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1650	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1651	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1652	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1653	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1654	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1655	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1659	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1832	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1833	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1834	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1835	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1836	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1839	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
L1101	QQLZ014-R39	COIL	0.39uH 100mA L
L1131	QQL29BJ-220Z	P COIL	0.65Ω 22uH J
L1161	QQL29BJ-220Z	P COIL	0.65Ω 22uH J
L1232	QQL29BJ-560Z	PEAKING COIL	56uH J
L1251	QQL29BJ-4R7Z	PEAKING COIL	4.7uH J
L1281	QQL29BJ-150Z	PEAKING COIL	15uH J
L1291	QQL29BJ-150Z	PEAKING COIL	15uH J
L1341	QQL29BJ-390Z	PEAKING COIL	39uH J
L1521	QQR1027-004	LINIARITY COIL	
L1921	QQL26AK-470Z	CHOKE COIL	47uH K
L1922	QQL26AK-470Z	CHOKE COIL	47uH K
T1111	QQR0907-001	I F T	
T1501	QQR1414-001	DRIVE TRANSF	
⚠T1901	QQT0355-001	POWER TRANSF	
⚠T1921	QQS0204-001	SW TRANSF	
CF1001	QAX0349-001	C TRAP	47.25MHz
CF1131	QAX0639-001Z	C TRAP	4.500MHz
CF1161	QAX0642-001Z	C FILTER	4.500MHz
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN100T	CHGC05-480	CONNECTOR ASSY	
CN100U	CHGC04-400	CONNECTOR ASSY	
CN10E1	CHGT0015-0B	CONNECTOR ASSY	
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN1X	CH41169-R03Y	EH POST HEADER	
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V
H1002	LC30381-001A	HEAT SINK	
H1602	LC32599-001A	HEAT SINK	
HS1004	LC31696-001A	HEAT SINK	
HS1009	LC31678-001A	HEAT SINK/AL-F/	
J1001	QNZ0454-001	AV JACK	S/V/L/R IN
J1002	QNN0348-001	PIN JACK	L/R OUT
J1003	QNN0349-002	PIN JACK	V/L/R IN
J1004	QNN0348-001	PIN JACK	L/R IN
J1005	CEMN065-001	PIN JACK	V IN
J1006	CEMN065-002	PIN JACK	L IN
J1007	CEMN072-003	PIN JACK	R IN
K1001	QQR0582-001Z	FERRITE BEADS	
K1101	QQR0582-001Z	FERRITE BEADS	
K1251	QQR0582-001Z	FERRITE BEADS	
K1252	QQR0582-001Z	FERRITE BEADS	
K1253	QQR0582-001Z	FERRITE BEADS	
K1254	QQR0582-001Z	FERRITE BEADS	
K1255	QQR0621-002Z	FERRITE BEADS	
K1401	QQR0582-001Z	FERRITE BEADS	
K1701	QQR0582-001Z	FERRITE BEADS	
K1702	QQR0582-001Z	FERRITE BEADS	
K1901	QQR0582-001Z	FERRITE BEADS	
K1902	QQR0582-001Z	FERRITE BEADS	
K1903	QQR0582-001Z	FERRITE BEADS	
K1904	QQR0582-001Z	FERRITE BEADS	
K1921	QQR0582-001Z	FERRITE BEADS	
K1922	QQR0582-001Z	FERRITE BEADS	
K1923	QQR0582-001Z	FERRITE BEADS	
LC1687	QQR1459-001	EMI F. COIL	
LC1688	QQR1459-001	EMI F. COIL	
LC1801	QQR1459-001	EMI F. COIL	
⚠LF1901	QQR0527-003	LINE FILTER	
⚠RY1901	QSK0085-001	RELAY	
S1401	QSL4A13-C02	LEVER SWITCH	V.CENTER
S1751	QSW0619-003Z	TACT SWITCH	POWER
S1752	QSW0619-003Z	TACT SWITCH	VOL+
S1753	QSW0619-003Z	TACT SWITCH	VOL-
S1754	QSW0619-003Z	TACT SWITCH	CH+
S1755	QSW0619-003Z	TACT SWITCH	CH-
S1756	QSW0619-003Z	TACT SWITCH	MENU
SF1101	QAX0723-001	SAW FILTER	
⚠SK1351	QNZ0536-001	CRT SOCKET	
⚠TH1901	QAD0129-3R0	POSISTOR	3Ω
⚠TU1001	QAU0353-001	TUNER	
⚠VA1901	ERZV10V621CS	ZNR	
X1701	QAX0717-001Z	CRYSTAL	8.000MHz

REMOTE CONTROL UNIT PARTS LIST (RM-C1259G-1H)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR77EC0603B	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	GQ10009-007C-A	PACKING CASE		
	2	GQ10019-001B-A	CUSHION ASSY	4pcs in 1set	
	3	CP30055-001-A	TOP COVER		
	4	CP30056-008-A	POLY BAG		
	5	QPA02503505	POLY BAG	25cm x 35cm	
	6	RM-C1259G-1H	REMOCON		
⚠	7	LCT1555-001A-A	INST BOOK	English/French	
	8	BT-52006-2Q	WARRANTY CARD		
	9	BT-51034-1Q	REGIST. CARD		
	10	----------	DRY BATTERY	R6P/AA(x2)	
	11	CM36616-001-A	CORNER LABEL	2pcs in 1set	

JVC

SCHEMATIC DIAGRAMS

COLOR TELEVISION

AV-27D305/R,
AV-27D305/S

BASIC CHASSIS
FE3

CD-ROM No.SML200403

D-SERIES

BBE

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No.YA073
2004/3

AV-27D305/R, AV-27D305/S
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20µs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [µF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

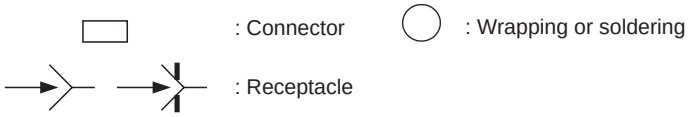
No unit	: [µH]
Others	: As specified

(4)Power Supply

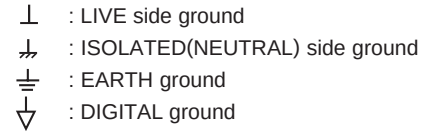
∗ Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol



5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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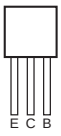
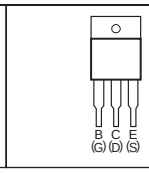
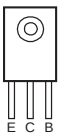
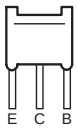
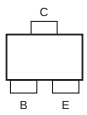
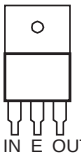
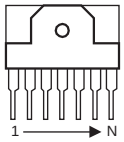
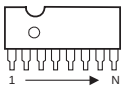
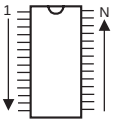
PATTERN DIAGRAMS 2-9
MAIN PWB PATTERN 2-9
CHANNEL CHART (US) 2-11
CHANNEL CHART (CA) 2-12

SEMICONDUCTOR SHAPES

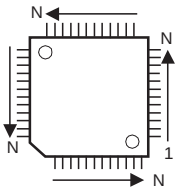
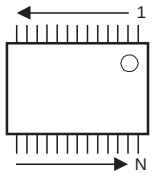
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

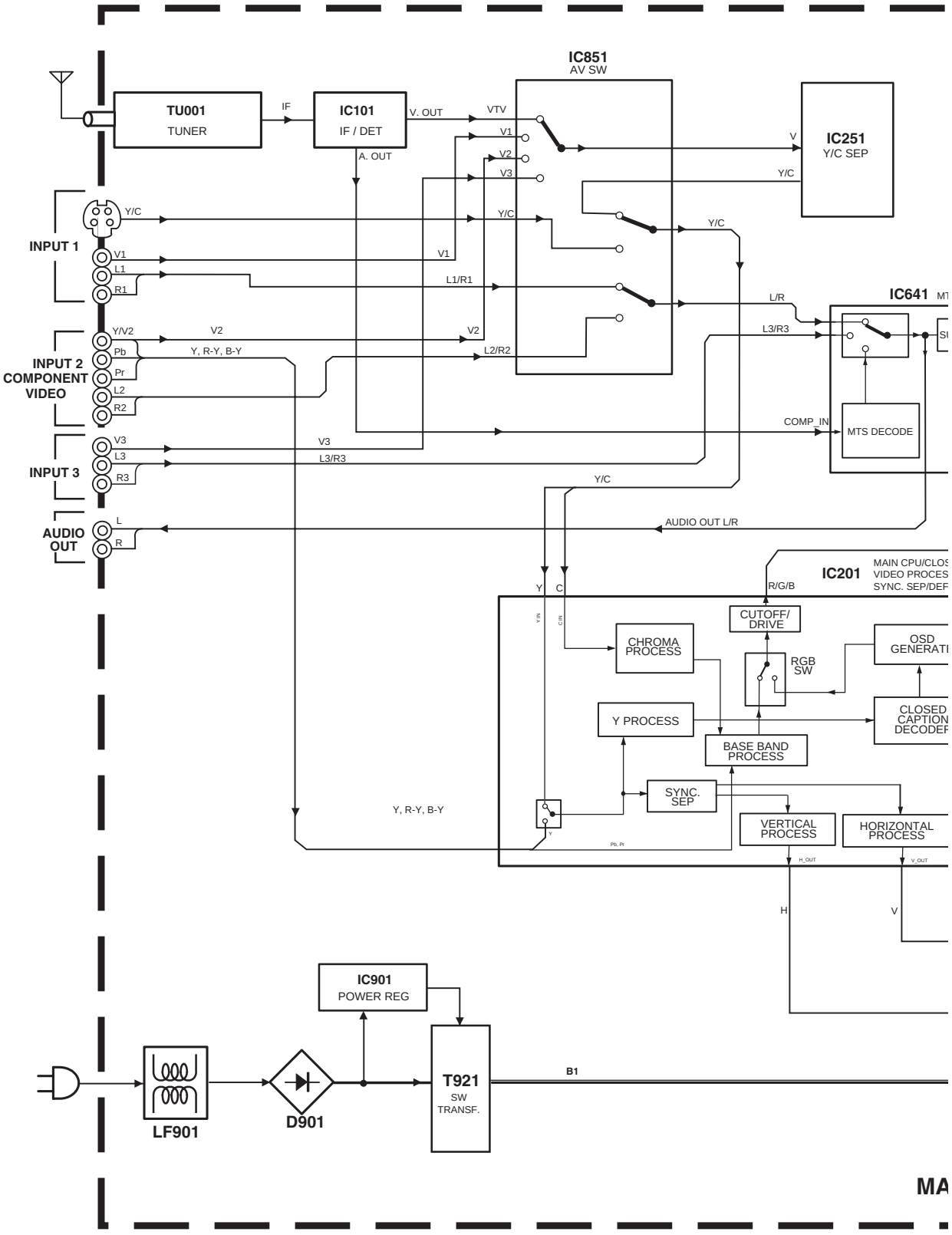
IC

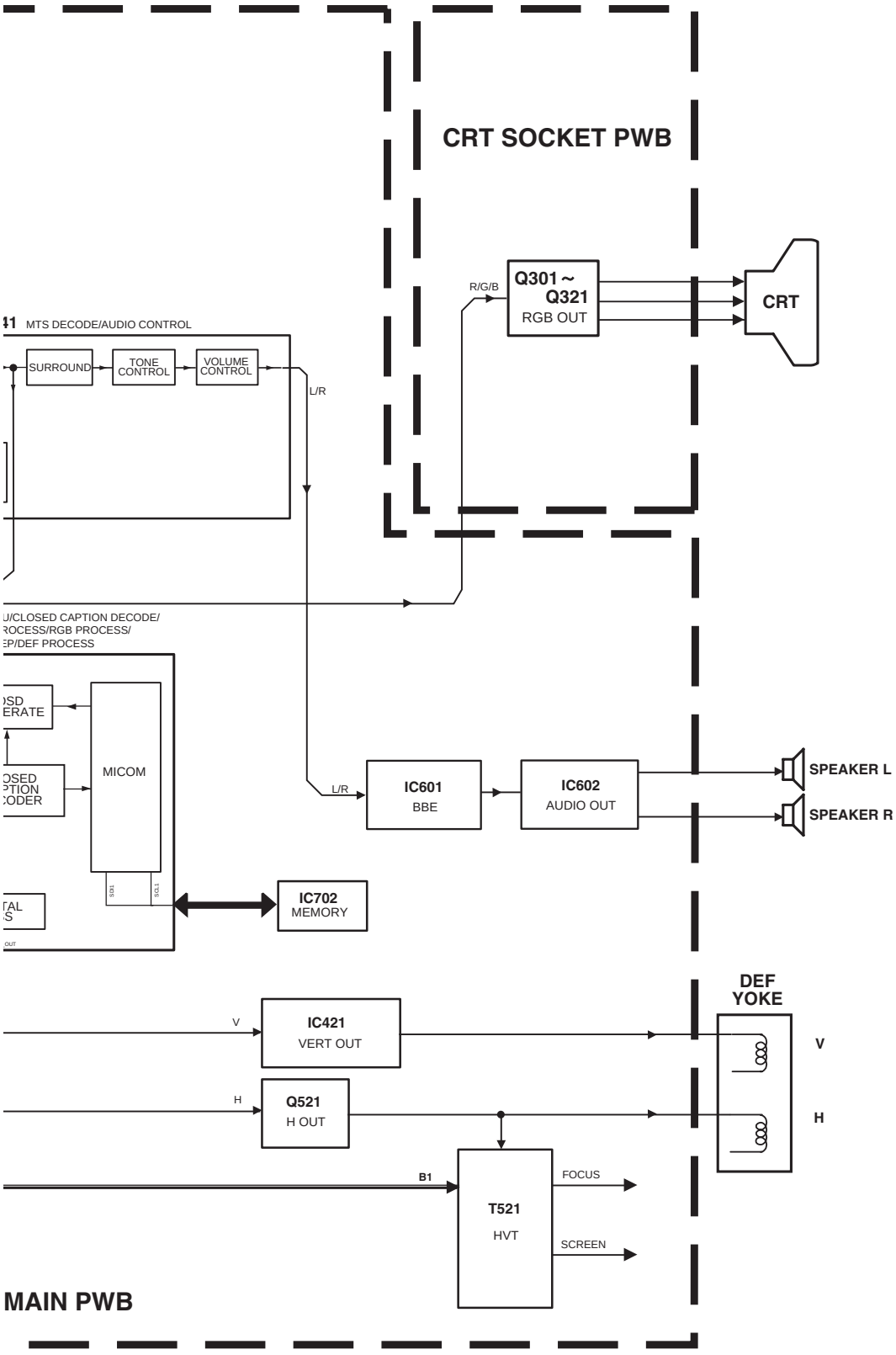
BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

TOP VIEW		
		

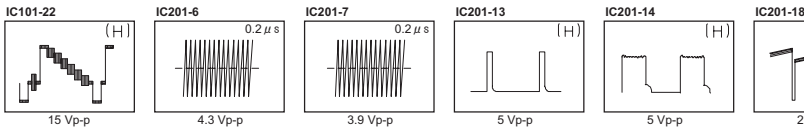
BLOCK DIAGRAM

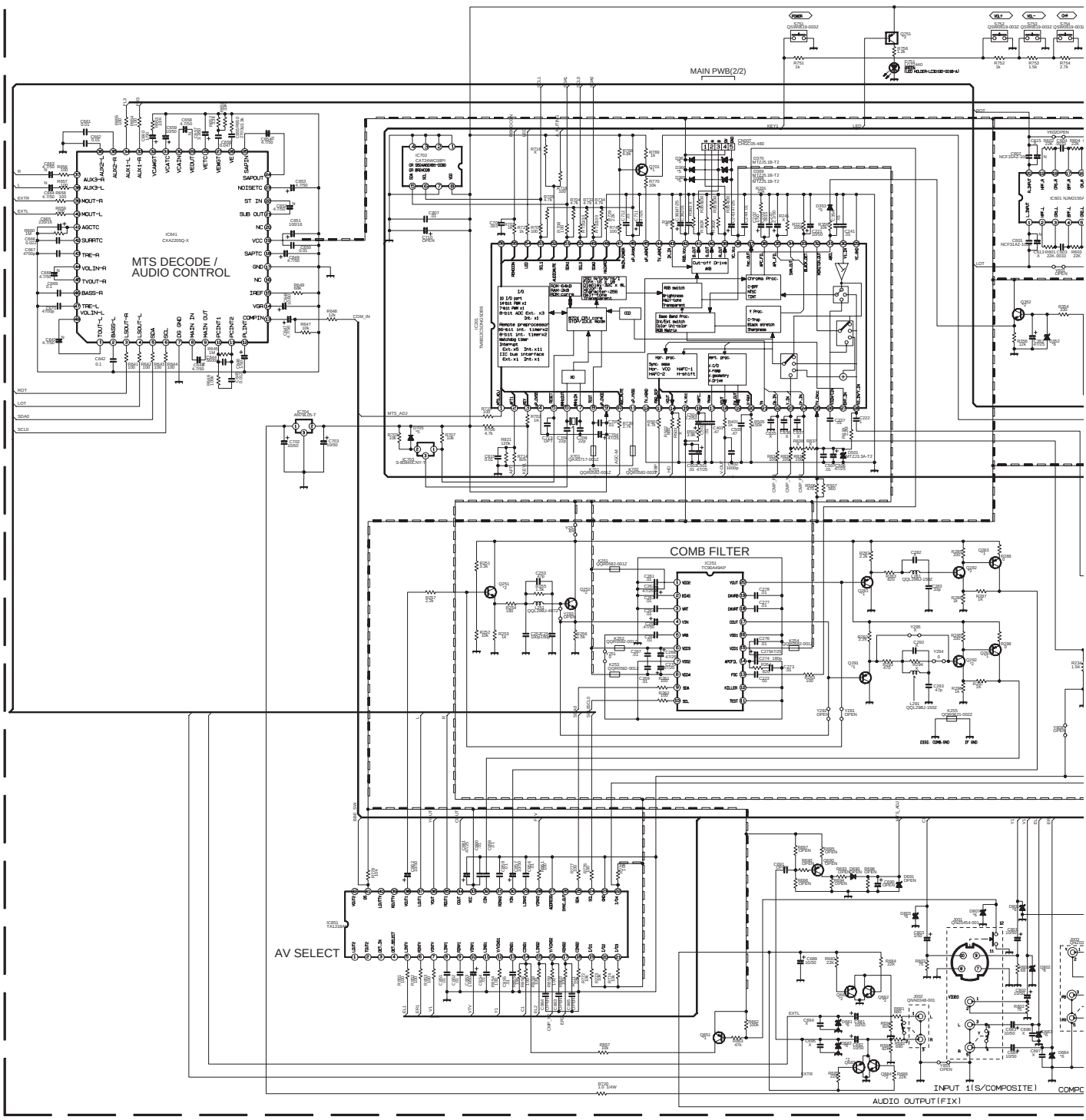



CRT SOCKET PWB
R/G/B
Q301 ~
Q321
RGB OUT
CRT
MTS DECODE/AUDIO CONTROL
SURROUND
TONE CONTROL
VOLUME CONTROL
L/R
MICOM
L/R
IC601
BBE
IC602
AUDIO OUT
SPEAKER L
SPEAKER R
IC702
MEMORY
DEF YOKE
V
IC421
VERT OUT
V
H
Q521
H OUT
H
B1
T521
HVT
FOCUS
SCREEN
MAIN PWB

CIRCUIT DIAGRAMS

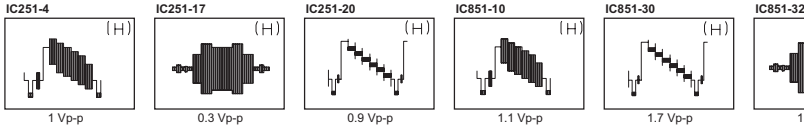
MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET1

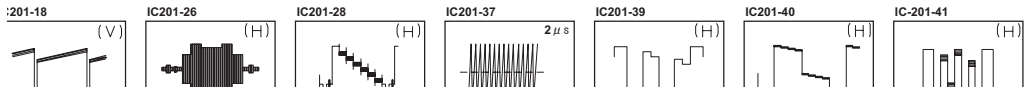


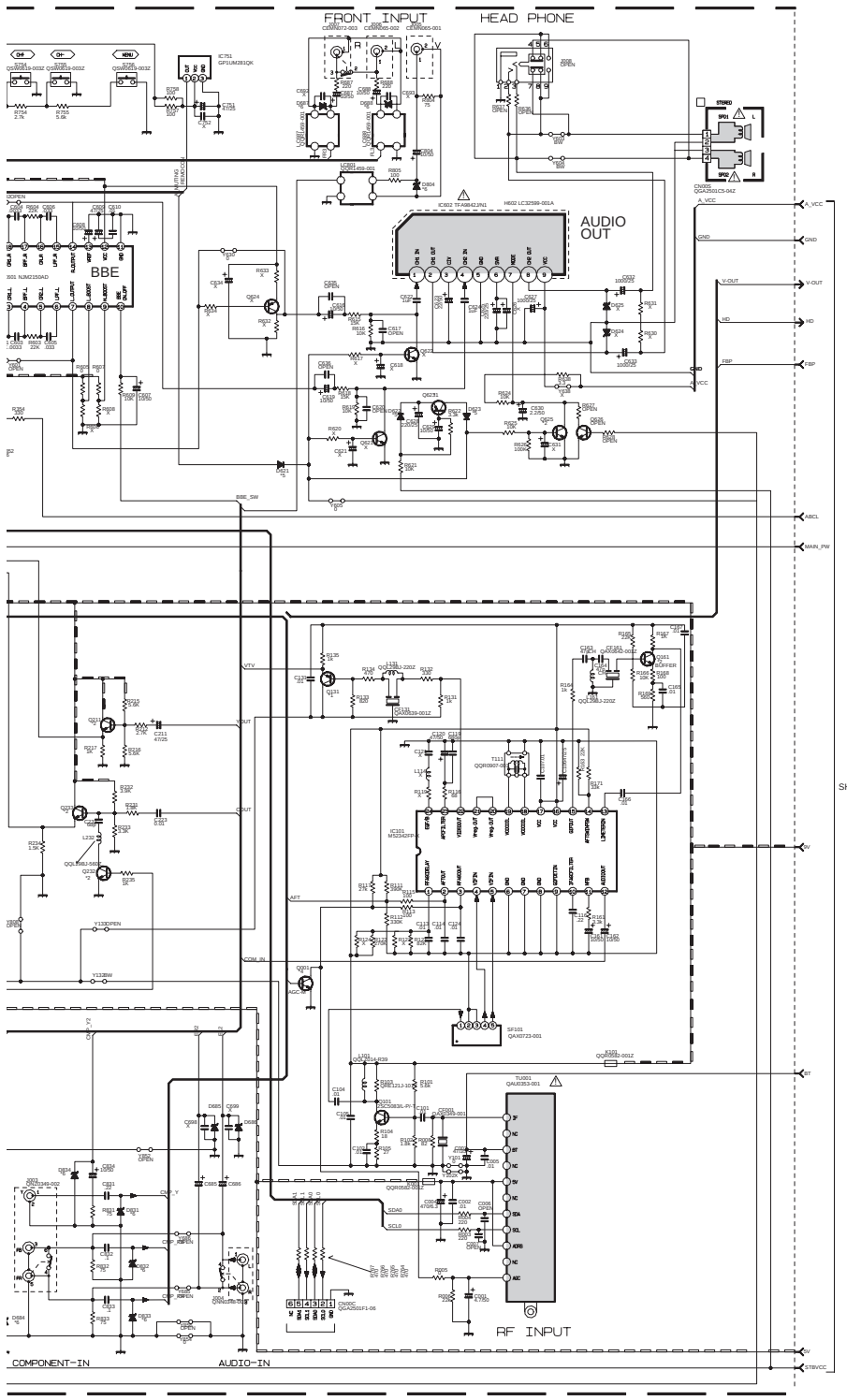


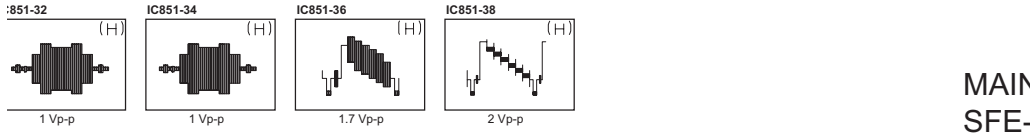
NOTE

*1 : CHIP PNP Tr	2SA1530AK/GR/-X	OR	2SB709A/GR/-X	BW	:	BUS WIRE
*2 : CHIP NPN Tr	2SC3928AK/GR/-X	OR	2SD601A/GR/-X	X	:	NON-MOUNT(OPEN)
*3 : CHIP PNP D-Tr	UN2112-X	OR	DTA124EKA-X	⚠	:	SAFETY PARTS
*4 : CHIP NPN D-Tr	UN2212-X	OR	DTC124EKA-X	Ω	:	Ω R RESISTOR
*5 : SI DIODE	1SS133-T2			*	:	DIFFERENCE PARTS
*6 : ZENER DIODE	MTZJ9.1C-T2					
*7 : ZENER DIODE	MTZJ5.6A-T2					
*8 : SI DIODE	RGP10J-04TS-T3	OR	RGP10J-5025-T3			
*9 : SI DIODE	1SR35-400A-T2	OR	IN4003-T2			
*10 : PNP Tr	2SA933AS/GR/-T					









MODE PIN NO.	DC (V)
IC 101	
1	2
2	4.1
3	1.8
4	1.4
5	1.4
6	0
7	0
8	0
9	0
10	2.7
11	2.2
12	4.7
13	2.1
14	3.5
15	2.1
16	8.8
17	8.8
18	4
19	4
20	4.8
21	4.8
22	1.5
23	3.3
24	1.3
IC 201	
1	0
2	0.4
3	5.1
4	0
5	5.1
6	2.2
7	2
8	0
9	5.1
10	0
11	0
12	0
13	0.9
14	1.9
15	8.8
16	6.4
17	3.6
18	4.5
19	4.3
20	0
21	0
22	2.2
23	2.2
24	2.2
25	3.5
26	2.2
27	1
28	2.4
29	0
30	2.2
31	6.1
32	0
33	2.4
34	3.7
35	1.7
36	2.5
37	2.9
38	4.9
39	2.2
40	2.2
41	2.2
42	8.8
43	0
44	0
45	0
46	5.1
47	0.3
48	0
49	4.8
50	4.5
51	5.1
52	0
53	5.1
54	0
55	5
56	0

MODE PIN NO.	DC (V)
IC 601	
1	4.4
2	4.4
3	4.4
4	4.4
5	4.4
6	4.4
7	4.4
8	8.8
9	8.8
10	0.1
11	0
12	8.8
13	4.4
14	4.4
15	4.4
16	4.4
17	4.4
18	4.4
19	4.4
20	4.4
IC 602	
1	3.1
2	8.8
3	3.1
4	3.1
5	0
6	10.1
7	16.9
8	8.8
9	17.4
IC 641	
1	4
2	4.1
3	4
4	4
5	4.8
6	4.7
7	0
8	4
9	3.9
10	4
11	3.9
12	3.4
13	0
14	1.2
15	1.2
16	0
17	0
18	3
19	8.8
20	0
21	4
22	4
23	4.2
24	3.8
25	4
26	4
27	4
28	0
29	0
30	4
31	2
32	4
33	4
34	4
35	4
36	4
37	4
38	4
39	0
40	4
41	1.2
42	4
43	4.1
44	4
45	4
46	0
47	4.1
48	4

MODE PIN NO.	DC (V)
IC 702	
1	0
2	0
3	0
4	0
5	5.1
6	5.1
7	0
8	5.1
IC 703	
1	0
2	5.1
3	0
IC 704	
1	8.7
2	0
3	5.1
IC 751	
1	5
2	5
3	0
IC 851	
1	3.9
2	3.9
3	6.5
4	3.6
5	5.1
6	5.1
7	5.1
8	5.1
9	5.1
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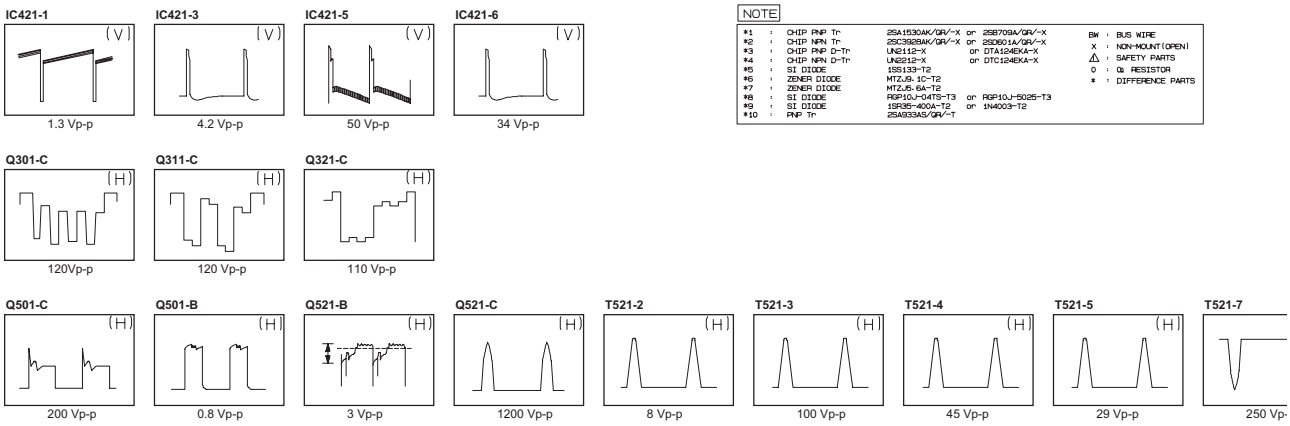
12	5.1
13	5.1
14	1.7
15	5.1
16	5.1
17	5.1
18	1.7
19	0
20	0.1
21	0
22	1
23	0
24	4.4
25	4.8
26	1.3
27	0
28	5.1
29	5.1
30	5.1
31	5.1
32	5.1
33	8.8
34	3.7
35	3.9
36	3.7
37	3.9
38	4.4
39	3.9
40	3.9
41	0.1
42	4.4
Q 001	
E	0
C	2
B	0
Q 101	
E	1.1
C	8.8
B	1.8
Q 131	
E	1.7
C	0
B	1
Q 161	
E	2
C	5.7
B	2.7

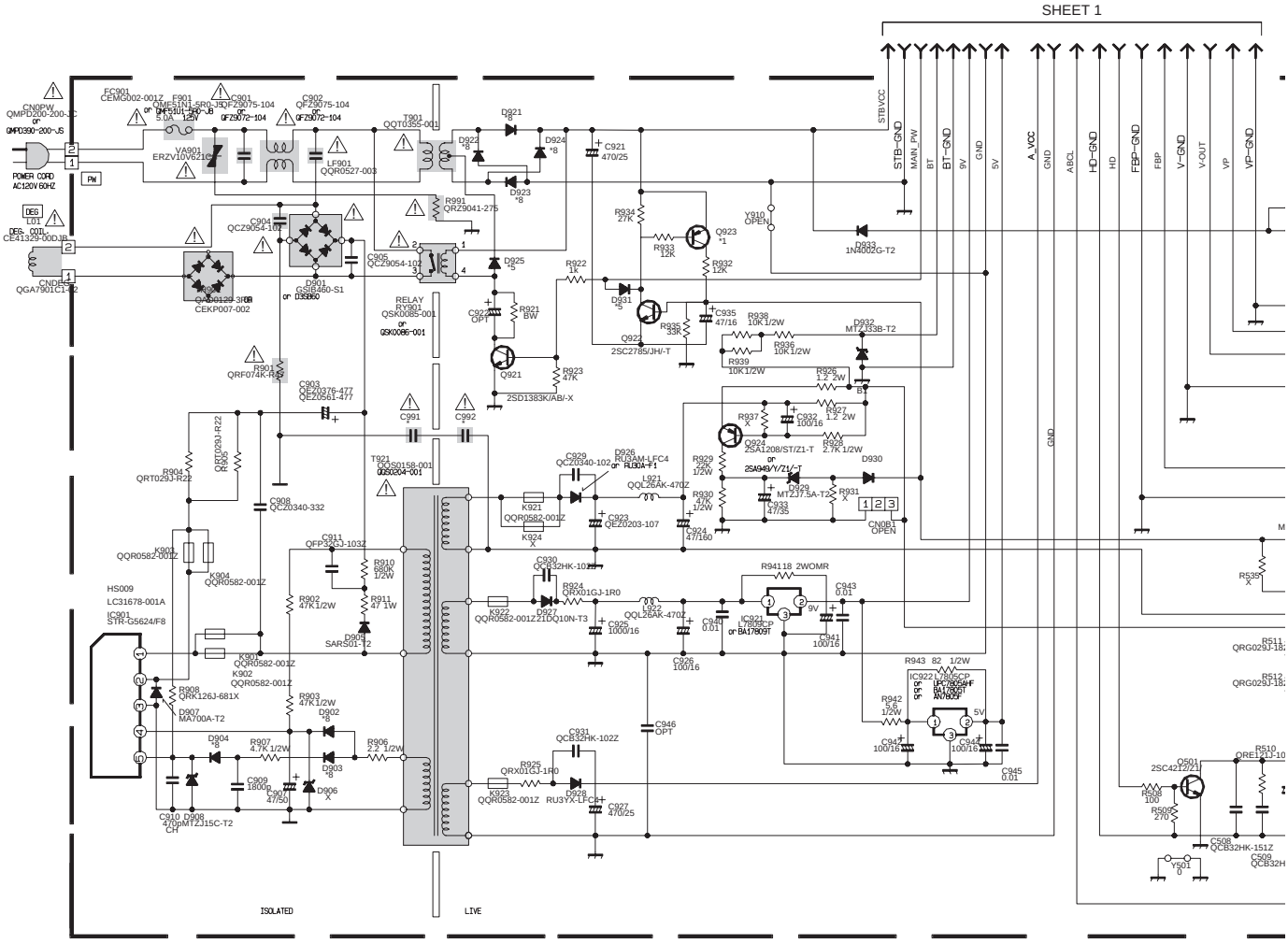
MODE PIN NO.	DC (V)
Q 211	
E	3.7
C	8.8
B	4.4
Q 232	
E	0
C	0
B	0.6
Q 233	
E	3.3
C	8.8
B	4
Q 251	
E	3
C	4.9
B	3.7
Q 252	
E	2.4
C	4.9
B	3
Q 281	
E	3
C	0
B	2.4
Q 282	
E	2.3
C	4.3
B	3
Q 283	
E	4.9
C	2.9
B	4.3
Q 291	
E	3.1
C	0
B	2.5
Q 292	
E	2.5
C	4.3
B	3.1
Q 293	
E	4.9
C	3.1
B	4.3
Q 623	
E	9
C	-1.4
B	8.8
Q 625	
E	0
C	17
B	0
Q 681	
E	2.1
C	0
B	-0.1
Q 682	
E	0
C	2
B	-0.1
Q 683	
E	0
C	0
B	-0.1
Q 684	
E	0
C	2.1
B	-0.1
Q 690	
E	8.8
C	0
B	8.3
Q 851	
E	8.8
C	1.7
B	8.7

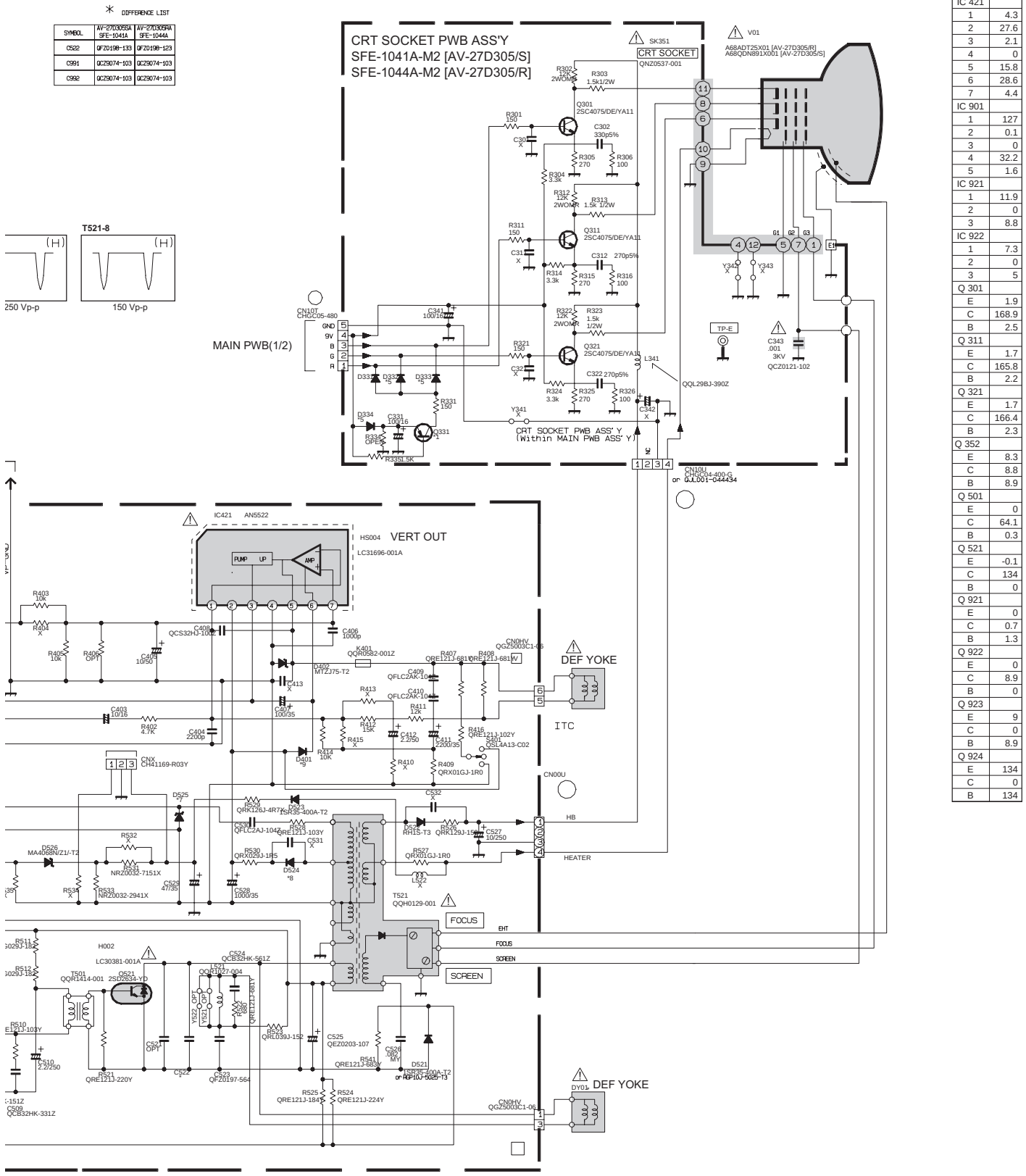
MAIN PWB ASS'Y (1/2)
SFE-1041A-M2 [AV-27D305/S]
SFE-1044A-M2 [AV-27D305/R]



NOTE

*1	: CHIP PNP Tr	2SA1530AK/GR/-X	or: 2SB709A/GR/-X	BW : BUS WIRE
*2	: CHIP NPN Tr	2SC3928AK/GR/-X	or: 2SD614/GR/-X	X : NON-MOUNT(OPEN)
*3	: CHIP PNP D-Tr	UN2112-X	or: DTA124EKA-X	△ : SAFETY PARTS
*4	: CHIP NPN D-Tr	UN2212-X	or: DTC124EKA-X	Ω : Ω RESISTOR
*5	: SI DIODE	1SS133-T2		* : DIFFERENCE PARTS
*6	: ZENER DIODE	MTZJ-V 1C-T2		
*7	: ZENER DIODE	MTZJ-5.6A-T2		
*8	: SI DIODE	RGP10J-04TS-T3	or: RGP10J-5025-T3	
*9	: SI DIODE	1SR35-400A-T2	or: 1N4003-T2	
*10	: PNP Tr	2SA933AS/GR/-T		



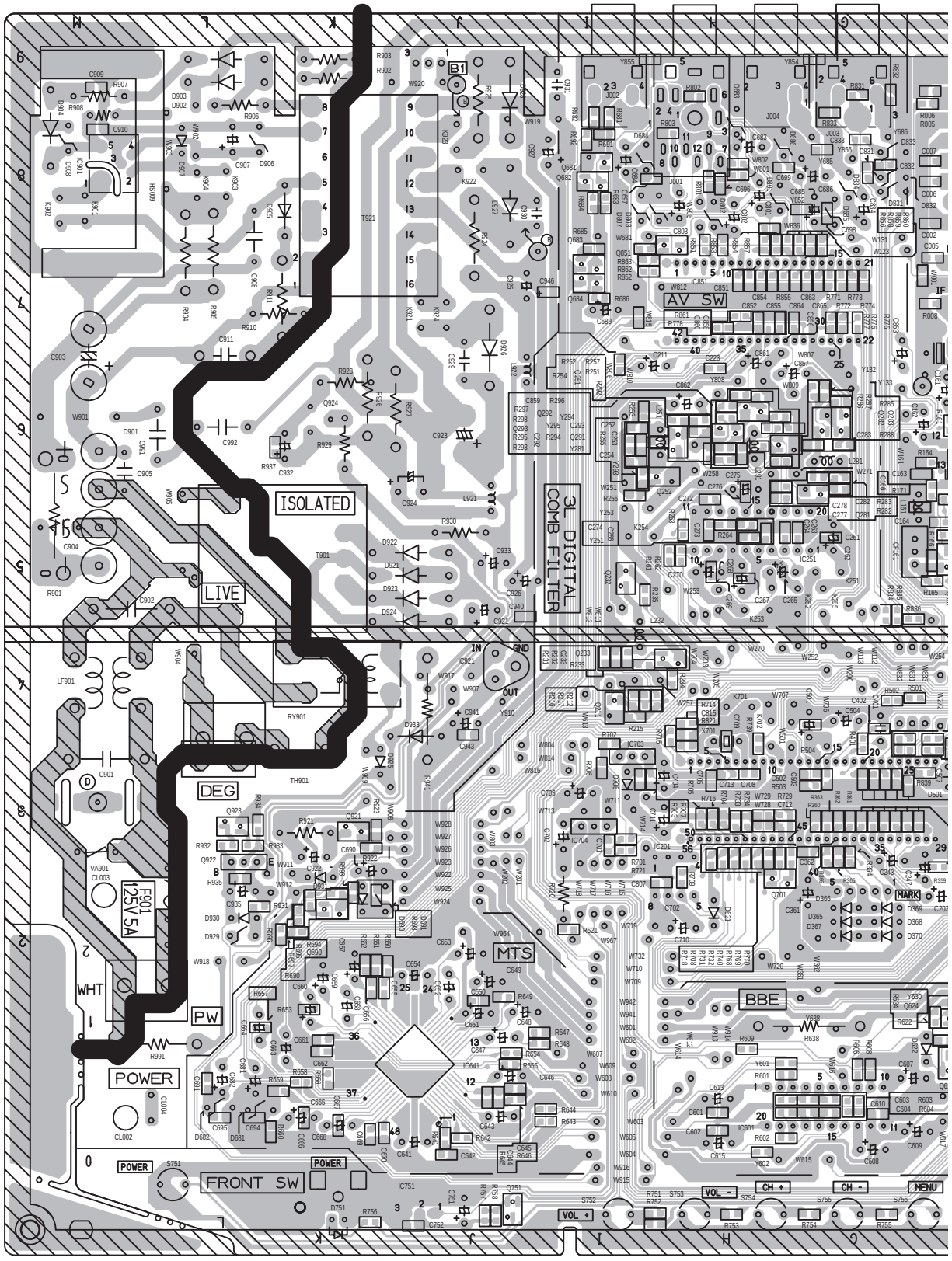


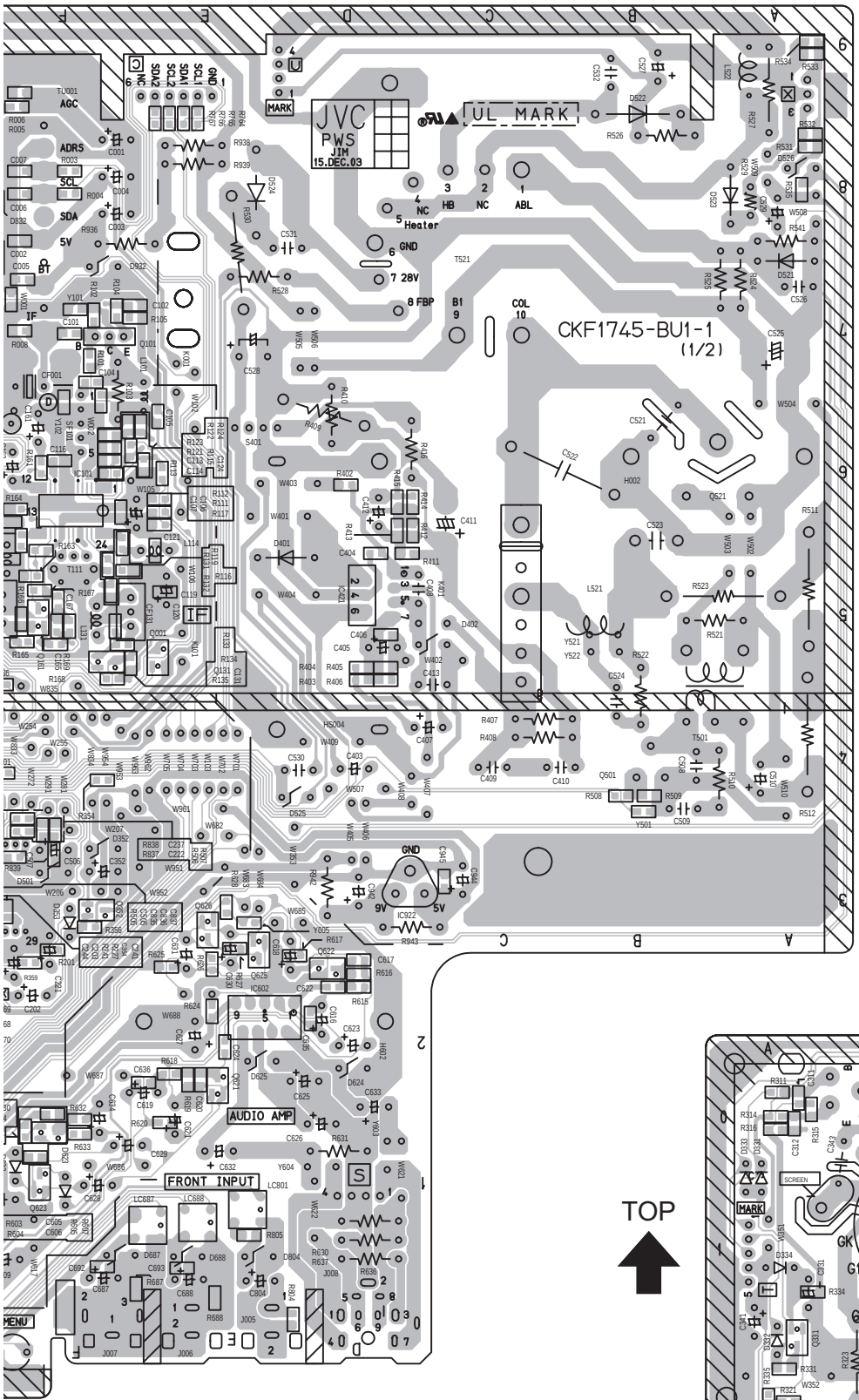
MODE PIN NO.	DC (V)
IC 421	
1	4.3
2	27.6
3	2.1
4	0
5	15.8
6	28.6
7	4.4
IC 901	
1	127
2	0.1
3	0
4	32.2
5	1.6
IC 921	
1	11.9
2	0
3	8.8
IC 922	
1	7.3
2	0
3	5
Q 301	
E	1.9
C	168.9
B	2.5
Q 311	
E	1.7
C	165.8
B	2.2
Q 321	
E	1.7
C	166.4
B	2.3
Q 352	
E	8.3
C	8.8
B	8.9
Q 501	
E	0
C	64.1
B	0.3
Q 521	
E	-0.1
C	134
B	0
Q 921	
E	0
C	0.7
B	1.3
Q 922	
E	0
C	8.9
B	0
Q 923	
E	9
C	0
B	8.9
Q 924	
E	134
C	0
B	134

MAIN PWB ASS'Y (2/2)
SFE-1041A-M2 [AV-27D305/S]
SFE-1044A-M2 [AV-27D305/R]

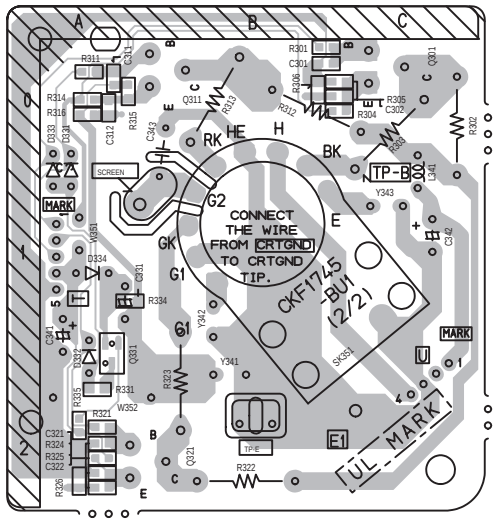
PATTERN DIAGRAMS

MAIN PWB PATTERN




CKF1745-BU1-1
(1/2)
JVC
PWS
JIM
15.DEC.03
UL MARK
AUDIO AMP
FRONT INPUT
MENU
ADRS
SCL
SDA
5V
AGC
IF
Heater
GND
28V
FBP
COL
ABL
HB
NC
9V
5V

FRONT


CONNECT
THE WIRE
FROM CRTGND
TO CRTGND
TIP.
CKF1745
-BU1
(2/2)
SCREEN
MARK
TP-B
UL MARK

TOP

CHANNEL CHART (US)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A B	14 15	I
			C D E F G H I	16 17 18 19 20 21 22	II
		SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36	
		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11	37 38 39 40 41 42 43 44 45 46 47	
			W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	IV
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4 A-3 A-2 A-1	01 96 97 98 99	I
○	×	UHF	14 〜 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A B C D E F G H I	14 15 16 17 18 19 20 21 22	
		SUPER	J K L M N O	23 24 25 26 27 28	
			P Q R S T U V W	29 30 31 32 33 34 35 36	III
		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	
		ULTRA	W+29	65	
			W+30 W+31 W+32 W+33 W+34	66 67 68 69 70	IV

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4	01 96	I
			A-3 A-2 A-1	97 98 99	II
○	×	UHF	14 〜 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

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